

CATALOG

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General Information • Degrees & Certificates • Credit & Noncredit Courses • Standards & Policies



MIRACOSTA COLLEGE 2022-2023 CATALOG

MiraCosta College publishes a new catalog every year. The information published in the catalog is effective for the academic year beginning with the fall semester and concluding with the summer intersession. This catalog is effective fall 2022 through summer 2023.

CATALOG RIGHTS

The requirements for degrees, certificates, and general education may change during the time a student attends MiraCosta College, and these changes are reflected in the catalog.

Catalog rights are established when a student first takes classes at MiraCosta, and they are maintained through continuous enrollment at the college. These rights protect students from being held responsible for changes made to their academic programs in the years that follow their initial enrollment. To be considered continuously enrolled, a student must have received a letter grade (including "W") for each semester. A one-semester leave, however, will not negate a student's continuing status.

The catalog used to determine graduation eligibility is the catalog operating at the time the student began continuous enrollment at MiraCosta unless the student's petition requests a different catalog. Students whose continuous enrollment has lapsed and who need remaining units in order to satisfy all degree requirements may be evaluated under the last semester of attendance or any catalog during the last period of continuous enrollment.

Students wishing to be awarded a degree, following completion of all degree requirements, may petition for a degree at any time. The degree will be awarded based on the last semester of attendance or any catalog during the last period of continuous enrollment.

STATEMENT OF ASSURANCE

MiraCosta College has made every reasonable effort to ensure the accuracy of this catalog at the time it was published; however, the college reserves the right to make changes to the information contained herein as circumstances require. In the event a correction or update is warranted, the college will publish an addendum to the online catalog, which is the official catalog of record.

MiraCosta College

2022-2023 Catalog

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Published by the MiraCosta Community College District

DISTRICT OFFICE:

Oceanside Campus

1 Barnard Drive
Oceanside, CA 92056-3820
760.757.2121

San Elijo Campus

3333 Manchester Avenue
Cardiff, CA 92007-1516
760.944.4449

Community Learning Center

1831 Mission Avenue
Oceanside, CA 92058-7104
760.795.8710

Technology Career Institute

2075 Las Palmas Drive
Carlsbad, CA 92011
760.795.6820

Outside the 760 area code, call us toll-free: 888.201.8480

Accreditation

MiraCosta College embraces accreditation as an ongoing process designed to promote educational quality and institutional effectiveness.

Institutional Accreditation

MiraCosta College is accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC), Western Association of Schools and Colleges (WASC), 331 J Street, Suite 200, Sacramento, CA 95814, 415.506.0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Additional information about accreditation, including the filing of complaints against member institutions, can be found at: <http://www.accjc.org/>. The college is also approved by the California Department of Education for the training of veterans under the provisions of the GI Bill® of Regulations. "GI Bill®" is a registered trademark of the U.S. Department of Veterans Affairs (VA).

Specialized Program Accreditation

The following MiraCosta College programs have additional accreditation through their respective agencies.

Registered Nursing (ADN) Program

Approved by the California State Board of Registered Nursing, P.O. Box 944210, Sacramento, CA 94244-2100. Submit complaints electronically at www.rn.ca.gov; complete the form and mail or fax it to:

Board of Registered Nursing

Attn: Complaint Intake

P.O. Box 944210, Sacramento, CA 94244-2100

916.574.7693 Fax

Licensed Vocational Nursing Program

Approved by the Board of Vocational Nursing and Psychiatric Technicians, 2535 Capitol Oaks Drive, Suite 205, Sacramento, CA 95833. Phone: 916.263.7800; Email: bvnpt@dca.ca.gov. File a complaint by contacting the Education Division at 916.263.7843.

Certified Nursing Assistant Program

Approved through California Department of Public Health's Aide and the Technician Certification Section (ATCS), CAN/HHA/CHT Certification Unit, P.O. Box 997416, MS-3301, Sacramento, CA 95899-7377. Email: cna@cdph.ca.gov. To file a complaint, call 916.492.8232.

Automotive Technology Program

Approved by the Automotive Service Excellence (ASE) Education Foundation, 1503 Edwards Ferry Rd., NE, Leesburg, VA 20176. Phone: 703.669.6650; Email: info@ASEeducationFoundation.org.

The **Adult High School** is accredited by the Accrediting Commission for Schools, Western Association of Schools and Colleges, 533 Airport Blvd., Suite 200, Burlingame, CA 94010. Southern California satellite office: 43517 Ridge Park Drive, Suite 100, Temecula, CA 92590-3615. Phone: 951.693.2550; email: mailsocial@acswasc.org. Access <http://www.acswasc.org/contact.htm#complaints> for guidelines on how to file a complaint.

To learn more about MiraCosta College's accreditation, please visit www.miracosta.edu/accreditation.

Academic Calendar 2022-2023

Fall Semester 2022

May 2	SURF enrollment for fall begins*
August 22	First day of fall semester classes
September 2	Last day to add classes
September 2	Deadline to withdraw without a "W"
September 5	Labor Day (college closed)
September 26	Deadline to petition for pass/no pass grade for full-term classes
September 26	Deadline to file a petition for degree/certificate for fall
November 11	Veterans Day (college closed)
November 18	Deadline to withdraw without an evaluative grade
November 24-25	Thanksgiving (college closed)
December 12-15, 17	Final examinations
December 17	End of fall semester
December 23-January 2	College closed

Spring Semester 2023

November 7	SURF enrollment for spring begins*
January 16	Martin Luther King, Jr. Day (college closed)
January 23	First day of spring semester classes
February 3	Last day to add classes
February 3	Deadline to withdraw without a "W"
February 17-20	Lincoln's & Washington's Birthday observed (college closed)
February 27	Deadline to file a petition for degree/certificate for spring
February 27	Deadline to file a petition for pass/no pass grade
March 20-25	Spring break
March 23-24	College closed
April 27	Deadline to withdraw without an evaluative grade
May 22-26	Final examinations
May 26	End of spring semester
May 26	Commencement
May 29	Memorial Day (college closed)

*Application deadlines and enrollment schedules are published on the college website.

President's Welcome

Welcome MiraCosta College Students



Welcome to a new academic year at MiraCosta College! You are making a great investment in your future.

MiraCosta College has come a long way since opening with 122 students at Oceanside-Carlsbad High School in September of 1934. Today, some 30,000 students are taking classes at MiraCosta College. With one of our four campus locations: Oceanside Campus, Community Learning Center in Oceanside, San Elijo Campus in Cardiff, and the Technology Career Institute in Carlsbad and online, MiraCosta is dedicated to meeting the needs of all students.

MiraCosta College is dedicated to excellence in teaching and learning. At MiraCosta College, that commitment is evident through the efforts of our faculty, staff, and administrators who strive to make all students feel welcome and engaged, and who are unwavering in their support. Whether it's financial aid, counseling, health services, tutoring, or resources for veterans, MiraCosta College has but one priority in mind: you.

MiraCosta strives to enrich the student experience through an array of vibrant and diverse student clubs and leadership programs. These programs nurture our students' creativity, expand their learning outside the classroom, and allow them to meet people from around the world.

MiraCosta College remains committed to meeting the needs of our students and our community. You can learn more about our commitment at [MiraCosta.edu/mission](https://miracosta.edu/mission). We fulfill our

mission by working closely with industry partners in developing job training programs. It's through innovation, such as teaming with local public and private universities to help students transition to a university, that we can support our students in achieving academic success. We now offer five different bachelor's degree programs through our Oceanside Campus.

With the passage of Measure MM, a community-supported facilities bond, you will notice a great deal of construction and building around campus. Please excuse the inconvenience and dust as MiraCosta College focuses on improving our teaching and learning facilities.

MiraCosta remains committed to our students and their success. If you see me around campus, I hope you'll stop and say "hi" and tell me a bit about your experiences at MiraCosta College.

Best wishes for a successful academic year!

Sunita V. Cooke, Ph.D.
Superintendent/President

About MiraCosta College

Mission, Vision, Commitment, Institutional Values & Institutional Goals

Mission

MiraCosta College fosters the academic and holistic success of its diverse learners within a caring and equitable environment to strengthen the educational, economic, cultural, and social well-being of the communities it serves.

MiraCosta College achieves this mission through innovative teaching, learning, and support services, and by offering degree, certificate, career education, adult education, transfer, and life-long learning opportunities.

Vision

MiraCosta College will be a leader and partner in transforming lives and communities through learning.

Commitment

MiraCosta College is committed to creating a racially just campus climate. Individuals and their diverse cultures and identities are welcomed, nurtured, and validated. MiraCosta College takes institutional responsibility for closing the equity gap for disproportionately-impacted populations including Latinx and Chicanx communities, Black and African American communities, Native Hawaiian and Pacific Islander communities, Native American communities, lesbian, gay, bisexual, trans, queer/questioning, intersex, and asexual (LGBTQIA+) communities, veteran communities, former foster youth, adult students, and students from low socioeconomic statuses. MiraCosta will continue to serve all constituents with values rooted in equity, diversity, inclusion, and community.

Institutional Values

Community / Diversity & Inclusion / Equity / Excellence / Innovation / Institutional Accountability & Responsibility / Integrity / Mutual Respect / Student-Centeredness / Sustainability & Stewardship

Institutional Goals

Goal I. MiraCosta College will provide equitable access, enhance student success, and close equity gaps by deploying strategies that meet students where they are, create community, and dismantle systems of inequity.

Goal II. MiraCosta College will meet identified external community needs by collaborating with community and industry partners to develop strategies that provide workforce solutions, prepare students to be active global citizens, and provide opportunities for cultural educational enrichment.

Goal III. MiraCosta College will foster academic excellence by strategically developing a culturally competent, adaptive, innovative, and relevant teaching and learning environment; co-curricular activities that bridge classroom learning and real

world experience; and intentional professional development for the college community that is responsive to a changing world.

Goal IV. MiraCosta College will demonstrate responsible stewardship and sustainability of college and community resources by deploying strategies that invest in our employees to reach their full potential, maintain a sustainable and transparent financial model, and reduce the environmental impact of our physical resources.

Student Learning Outcomes & Core Competencies

Student Learning Outcomes

Student learning outcomes (SLOs) identify the knowledge, skills, abilities, and attitudes that students will be able to demonstrate as a result of their engagement in a particular course, program, or collegiate experience. These learning outcomes are the larger lessons that students take from their educational experiences at MiraCosta College and apply to their courses, their careers, and their lives. Program-level SLOs are listed under Areas of Study in the catalog; course-level SLOs are available to students in their course syllabi and in official course outlines of record, which may be accessed at <https://www.miracosta.edu/governance/courses-and-programs-committee/curriculum-management-system.html>.

MiraCosta College Core Competencies*

The MiraCosta College Core Competencies describe the broad learning outcomes students should have gained while preparing to transfer (with 60 units that include the CSU-GE or UC-IGETC general education pattern) or through earning a degree as well as through their exposure to different support services and enrichment programs. Courses and programs align to these larger outcomes, and students gain exposure to some, but not necessarily all, of them from educational experiences that may not encompass completion of a degree or transfer pattern.

Upon commencement of studies and progressing toward the completion of an educational goal, MiraCosta College students prepare for twenty-first century challenges by gaining the following competencies:

Knowledge of Human Cultures and the Physical and Natural World

- ▶ Attained through general education and major study in the sciences and mathematics, social and behavioral sciences, humanities, histories, languages, and the arts.
- ▶ Informed by awareness of global issues and trends, focused by engagement with big questions, both contemporary and enduring.

Intellectual and Practical Skills

- ▶ Includes
 - ▶ Inquiry, analysis, and independent thinking
 - ▶ Critical and creative thinking
 - ▶ Quantitative literacy and problem solving
 - ▶ Information literacy
 - ▶ Written and oral communication skills
 - ▶ Integration of knowledge.
- ▶ Practiced extensively across the curriculum in the context of progressively more challenging problems, projects, and standards for performance.

Personal and Social Responsibility and Efficacy

- ▶ Includes
 - ▶ Civic knowledge and engagement—local and global
 - ▶ Intercultural competence and respect for diverse perspectives
 - ▶ Teamwork and collaborative skills
 - ▶ Ethical reasoning and action
 - ▶ Goal-setting/project-planning and completion
 - ▶ Skills for ongoing personal, academic, and professional growth.
- ▶ Anchored in applied learning through active involvement with real-world challenges and diverse environmental, workplace, cultural, and community contexts.

* These competencies were adapted from the "LEAP" Outcomes (Liberal Education and America's Promise) developed under the auspices of the Association of American Colleges and Universities (<http://www.aacu.org/leap>).

District & Campus Information

District Information

The MiraCosta Community College District includes Oceanside, Carlsbad, Leucadia, Encinitas, Olivenhain, Rancho Santa Fe, Cardiff, Solana Beach, Del Mar, Carmel Valley, and parts of Camp Pendleton. With its coastal location, beautiful campuses, and strong academic programs, MiraCosta College attracts students from throughout San Diego County, the state, and the country, as well as from abroad.

The student population in the credit program is approximately 20,000. Students take credit courses at the Oceanside Campus, the San Elijo Campus in Cardiff, and several off-campus locations, as well as online. A small number of credit courses are also available at the college's Community Learning Center, which also serves about 3,000 students in noncredit programs. An additional 2,300 students are enrolled in fee-based programs through the District's Technology Career Institute in Carlsbad.

MiraCosta College has a comprehensive Student Services program. All services are provided to full- and part-time students on the Oceanside Campus. Many services are also available at the San Elijo Campus and the Community Learning Center, and all services offered are available to students upon request. Students are encouraged to take advantage of the opportunity to receive assistance and services throughout their educational experiences at the college.

For detailed information on the college's programs and classes or to request a credit or noncredit class schedule, call the Public Information Office at 760.795.6613. Schedules may also be viewed on the college website at miracosta.edu/schedules and on SURF at surf.miracosta.edu.

MiraCosta College Campuses



Oceanside Campus

1 Barnard Drive
Oceanside, CA 92056-3820
760.757.2121

The Oceanside Campus has grown and changed during the decades and plans for continued growth. Projects recently completed include a concert hall and three creative arts buildings with classrooms, labs, studios, and rehearsal/performance spaces for music and art; a student services building that houses Counseling and the Transfer and Career centers; and a new, high-tech science building.

You can take a virtual tour of the Oceanside Campus or request an in-person tour.

Locations of Special Interest at the Oceanside Campus

The Theatre and Dance Building provides 6,700 square feet of studio space. The additional instructional space for theatre and dance enables better collaboration between the programs. This campus also boasts a 430-seat Concert Hall and a classroom building for art/music history and new genre arts. These two buildings, along with the Dance and Theatre Studio, complete the **Creative Arts Complex**, which also includes the 240-seat college Theatre; a three-level building that houses studios, classrooms, and rehearsal spaces for art and music; and an art building that houses ceramics and sculpture studios and a photography lab.

About MiraCosta College

The Oceanside Campus is proud to offer a bachelor's degree in biomanufacturing. The campus houses the new, fully sustainable high-tech science building (Building 4900) and two state-of-the-art biology laboratories.

The **Student Center** houses the campus bookstore; the Kruglak Art Gallery, which showcases works by visiting artists, faculty, and students; club offices, conference rooms, the student government office, and the cafeteria. The center's dining areas feature indoor and outdoor tables with great views of the coast.

The **Horticulture Complex** includes a classroom building featuring specialized labs and classrooms for the program's diverse offerings as well as greenhouses, areas for plant stock, a vineyard, and a plant sales area.

The **Child Development Center**, located on the northwest corner of campus, serves the dual purpose of educating MiraCosta College's child development majors and providing affordable child care for students, faculty, staff, and community members.

In addition to traditional books and reference materials, the **Library and Information Hub** also houses a tutoring center, math, STEM, and writing centers, as well as more than 200 computers for student use.

The newly renovated **Athletic Track and Field** now provides a modern walking/jogging track and a soccer/rugby athletics field that meets size requirements for international competitions.

San Elijo Campus



3333 Manchester Avenue
Cardiff, CA 92007-1516
760.944.4449

The San Elijo Campus of MiraCosta College opened in 1988 and is situated on 42 acres facing the San Elijo Lagoon in Cardiff. The campus offers a general education credit program and a broad range of noncredit, fee-based Community Education classes and workshops.

Student Services at the San Elijo Campus include Admissions and Records, Counseling, Tutoring, Testing, and Student Life and Leadership. The recently expanded and remodeled **Student Center** houses the campus bookstore, cafeteria, Student Services Office, and Health Services. The **Library and**

Information Hub houses computer labs, as well as the campus math and writing centers.

Students may schedule appointments for financial aid, disabled student assistance, job placement, Transfer Center counseling, and Extended Opportunity Programs and Services (EOPS).

Request an in-person tour.

Community Learning Center



1831 Mission Avenue
Oceanside, CA 92058-7104
760.795.8710

MiraCosta's Community Learning Center (CLC), located one mile east of I-5 in Oceanside, hosts a wide variety of noncredit courses at more than 30 District locations. The CLC offers courses in each of the following authorized noncredit categories: elementary and secondary basic skills, Adult High School Diploma program, English as a Second Language (ESL) and citizenship, health and safety, older adults, parenting, special education for adults, and short-term vocational.

Technology Career Institute



2075 Las Palmas Drive
Carlsbad, CA 92011-1519
760.795.6820

MiraCosta's Technology Career Institute, which opened in March 2015, trains skilled workers for such industries as high-tech manufacturing, maritime technology, and biotech manufacturing. The institute expands the college's machinist certificate program and creates industry-recognized electronics engineering technician and robotics/automation certificate programs. These noncredit programs are run by the

college's Community Education and Workforce Development Department.

The North San Diego Small Business Development Center (SBDC), hosted by MiraCosta College and located at the Technology Career Institute, is a partnership program with the U.S. Small Business Administration and the California Community Colleges Chancellor's Office. The SBDC provides services to meet the needs of entrepreneurs throughout North San Diego County. These services are free or inexpensive and include one-on-one counseling and workshops.

Diversity, Equity, Inclusion

MiraCosta College is committed to creating a racially just campus climate. Individuals and their diverse cultures and identities are welcomed, nurtured, and validated. MiraCosta College takes institutional responsibility for closing the equity gap for disproportionately-impacted populations including Latinx and Chicanx communities, Black and African American communities, Native Hawaiian and Pacific Islander communities, Native American communities, lesbian, gay, bisexual, trans, queer/questioning, intersex, and asexual (LGBTQIA+) communities, veteran communities, former foster youth, adult students, and students from low socioeconomic statuses. MiraCosta will continue to serve all constituents with values rooted in equity, diversity, inclusion, and community.

The college is committed to providing opportunities for engagement both across the campus and within the communities the college serves. The college seeks to remove barriers to learning, participation, and success, with a focus on changing procedures and practices that disproportionately affect certain groups. Anchored in a culture of evidence, MiraCosta College promotes increased awareness and appreciation of individual, collective, and intersecting identities within our diverse society and acknowledges that different students learn in different and unique ways.

MiraCosta College has an array of resources and programs for students that focus on diversity, equity, and inclusion. These include the following:

- ▶ The Student Equity Department: www.miracosta.edu/studentequity
- ▶ Academic Success and Equity Programs: www.miracosta.edu/ASE
 - ▶ PUENTE: www.miracosta.edu/PUENTE
 - ▶ Umoja: www.miracosta.edu/Umoja
 - ▶ RAFFY (Resources and Assistance for Former Foster Youth): www.miracosta.edu/RAFFY
 - ▶ Mana: www.miracosta.edu/Mana
 - ▶ UPRISE (Undocumented People Rise Together in Solidarity and Empowerment): www.miracosta.edu/UPRISE
 - ▶ Transitions: www.miracosta.edu/transitions
- ▶ LGBTQIA+ Equity (lesbian, gay, bisexual, transgender, queer/questioning, intersex, and asexual plus) Resources: www.miracosta.edu/lgbtqia

- ▶ The Social Justice and Equity Center (SJEC): www.miracosta.edu/socialjusticeandequity
- ▶ History and Heritage Programming Series: www.miracosta.edu/historyheritagemonths
- ▶ Access Conferences: www.miracosta.edu/access

Equal Access

The MiraCosta Community College District and each individual who represents the district shall provide access to the district's services, classes, and programs without regard to age, ancestry, color, physical or mental disability, pregnancy, gender, gender identity, gender expression, marital status, medical condition, genetic information, national origin, parental status, race or ethnicity, religion, sexual orientation, military or veteran status, or because they are perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics. In addition to the aforementioned legally protected characteristics, the district also has an interest in nondiscrimination based on additional factors such as accent, citizenship status, economic status, and ethnic group identification even though students or employees could not make a legal claim of discrimination based on these factors. (Source: *MCCD Board Policy 3410: Nondiscrimination. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.*)

In compliance with Section 504 of the Rehabilitation Act of 1974, MiraCosta College has designated Jeff Higginbotham as its Section 504 Coordinator. Students with verified disabilities may be entitled to appropriate accommodations. Questions regarding access of students with disabilities to any college program or service may be directed to the Student Accessibility Services Office (formerly known as Disabled Students Programs and Services), 760.795.6658.

MiraCosta College invites individuals with disabilities who plan on attending college events to contact the Americans with Disabilities Act (ADA) Coordinator at 760.795.6866 regarding any special accommodation needs. Individuals requiring auxiliary aids, such as sign language interpreters and alternative format materials, need to provide notification at least 10 business days in advance of the event. The college will make every equitable effort to provide reasonable accommodations in an effective and timely manner.

College Foundation

foundation.miracosta.edu

The vision of the MiraCosta College Foundation is to promote the benefit of MiraCosta College and secure resources that transform lives.

The Foundation is a 501(c)(3) nonprofit corporation governed by a volunteer board of community leaders and administered by the Office of Institutional Advancement.

About MiraCosta College

The Foundation continues to grow the revenue of contributions to the college, increasing the number of students receiving scholarships, expanding resources available, and supporting campus programs. One of the Foundation's priorities is college affordability, providing students with support beyond scholarships to direct aid like food, online learning support, rental assistance, and emergency grants.

Individuals, corporations, and civic groups work with the MiraCosta College Foundation to achieve their philanthropic goals. Benefactors contribute between \$1,000 and \$10,000 annually and support various needs at the college, including direct student aid, scholarships, capital projects, program enhancement grants, and educational equipment. Many choose to fund scholarships, while others support enhancing academic programs and facilities through the President's Circle.

For more information about the MiraCosta College Foundation and how to be a part of transforming lives, please contact the Development and College Foundation Office at 760.795.6645.

College Leadership

Board of Trustees

President, Trustee Area 2 (Cardiff, Rancho Santa Fe) -
Rick Cassar, M.S.

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- Anna Pedroza, M.S.

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Administrative Officers

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Dean, Letters, Humanities, and Communication Studies and San Elijo Campus Site Administrator - Antonio Alarcon, M.A., M.F.A.

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Dean, Student Affairs - Nick Mortaloni, Ed.D., LCSW

Associate Dean, Career Education - Benjamin Gamboa, M.B.A.

Associate Dean, Nursing and Allied Health - TBD

Department Chairs

Administration of Justice - Ruben Gomez

Adult High School - Angela Senigaglia

Art - Gilbert Neri

Automotive Technology - Paul Katson

Biological Sciences - Suzie Bailey, Ph.D.

Biotechnology - Barbara Juncosa, Ph.D.

Business - Annie Ngo, Ph.D.

Career Studies and Services - Donna Davis

Chemistry - Kristine Arquero, Ph.D.

Child Development - Claudia Flores

Communication Studies - Eric Robertson

Computer Science - Michael Paulding, Ph.D.

Computer Studies and Information Technology - Steve Isachsen

Counseling - Adrean Askerneese, Ed.D. and Don Love

Dance - Trisha Hanada-Rogers

Design - David Parker

Disabled Students Programs and Services - Jeff Higginbotham

English as a Second Language - Mary Gross

General Noncredit and Short-Term Vocation - Erica Duran

History - Robert Bond, Ph.D.

Horticulture - Megan Allison

International Languages - Cristina Toharia, Ph.D.

Kinesiology, Health, and Nutrition - Casey McFarland

Letters, Pre-Transfer - Jacob Strona

Letters, Transfer - Maria Figueroa

Library Science - Glorian Sipman

Mathematics - Leila Safaralian, Ed.D.

Media Arts and Technologies - Karl Cleveland

Music - Steve Torok

Noncredit English as a Second Language - Tricia Hoste

Nursing and Allied Health - Sue Simpson

Philosophy & Religious Studies - Isabel Luengo, Ph.D.

Physical Sciences - Erika Peters, Ph.D.

Psychology - Krista Byrd

Social Science - Lynne Miller, Ph.D.

Sociology - Sean Davis

Theatre and Film - Tracy Williams

Senator - Ingrid Bairstow

Senator - Karla Cordero

Senator - Brian Page

Senator - Hossein Ravanbaksh

Senator - Krista Warren

Ex-Officio Member - Sunita Cooke, Ph.D.

Classified Senate

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Vice President - Ingrid Philips

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Secretary - Kaarina Taylor

Senator - Angelena Boles

Senator - Chelsea Chavira

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Senator - Gina Hanson

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Senator - Jacob Sneary

Senator - Shannon Tuise'e

Ex-Officio Member - Sunita Cooke, Ph.D.

Academic Senate

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Vice President - Curry Mitchell

Coordinating Officer - Robin Allyn

Full-Time Faculty Representatives

Senator - Angela Beltran-Aguilar

Senator - Shawn Firouzian

Senator - Jim Julius

Senator - Delores Loedel

Senator - Tyrone Nagai

Senator - Don Love

Senator - Candy Owens

Associate Faculty Representatives

Admissions & Registration

The background of the slide is a solid light blue color. Overlaid on this are several large, flowing, wavy shapes in various shades of blue, ranging from a very light, almost white blue to a medium blue. These shapes create a sense of movement and depth, resembling stylized waves or abstract brushstrokes. The overall effect is clean, modern, and professional.

Matriculation: Orientation & Advisement

The Matriculation Process

The matriculation process (placement, orientation, advisement, and development of an education plan) starts students on the right path by assisting them in choosing, planning, and achieving their educational goals.

The process also provides essential information for planning a successful college experience. New students must complete the placement process, orientation, and advisement to be eligible for priority registration, and they must complete a comprehensive education plan within two semesters (or 15 units) to maintain priority. Students new to college (first-time student) or new to MiraCosta College should complete the matriculation process when they apply or as soon as possible thereafter. Students who matriculate may register earlier than non-matriculated students (this does not apply to concurrently enrolled high school students or students who have previously earned a bachelor's degree).

Although all students should matriculate, any applicant to the college may expressly refuse to participate in any matriculation service; however, those who refuse are not entitled to early registration privileges. Students can challenge or appeal any step in the matriculation process by emailing priority@miracosta.edu.

Steps to Becoming a Matriculated Student

Step 1: Application

Students complete and submit an online Application for Admission. MiraCosta College uses CCCApply to process all applications. Submitting an online application is a two-step process:

1. Create an OpenCCC account (CCC stands for California Community Colleges).
2. Then continue to "Start New Application" for MiraCosta College.

After their application is processed, students are assigned a SURF ID number that they will use the entire time they attend MiraCosta College.

SURF is an online enrollment and student information system that allows students to manage their school-related activities. To access SURF, students use their SURF ID and a self-created password.

Step 2: Placement Process

The MiraCosta College placement process provides students with the information needed to get started in the math and English courses that best support their educational pathway.

The placement process can be completed in a variety of ways:

- ▶ **MiraCosta Application**

The MiraCosta College CCCApply application may ask students to provide the following:

- ▶ High school grade point average (GPA)
- ▶ Highest high school math/English course completed
- ▶ High school math/English coursework and grades

To help with this step, students should have their United States high school transcript information accessible while applying. Students who provide this information will receive an email with their math and English placement information within a few days. This placement notification is also available in the Message Center located in the Student Center.

▶ Didn't provide information on the MiraCosta application?

Submit any of the following to Testing Services to complete the placement process:

- ▶ Official or U.S. unofficial high school transcript
- ▶ Multiple Measures Self-Report Update Form
- ▶ Email testing@miracosta.edu to complete a Guided Self-Placement tool for math, English, or ESL course placement.

High school transcripts may be emailed to testing@miracosta.edu or submitted in person at one of MiraCosta's three campus locations.

Students who would like information and/or access to math and English courses outside of their placement may visit the Testing Services office or webpage to learn about the Guided Self Placement process.

For information on alternatives to assessment (including AP scores, EAP, and prior college coursework), visit miracosta.edu/testing or call 760.795.6685

Know Your Rights Under AB 705

Signed into law, Assembly Bill (AB) 705 requires California community colleges to maximize the probability that students will enter and complete transfer-level coursework in English and math within a one-year time frame. AB 705 requires that colleges use one or more of the following measures for placement into math and English courses:

- ▶ High school Grade Point Average (GPA)
- ▶ High school coursework
- ▶ High school grades

For more information on student rights under AB 705, visit miracosta.edu/testing.

Step 3: Orientation

All students (new and current) should complete Spartan Start orientation to learn about academic programs, support services, college terminology, and develop planning tools that will help them succeed at MiraCosta College. Completing orientation is a component of matriculation that can qualify students for priority registration, if they are eligible.

Students can access Spartan Start Orientation through Spartan Prep in their SURF account. Spartan Prep gets students off to a

great start on their college career and leads to higher student success. Spartan Prep is a guide for students to complete Spartan Start Orientation and a first semester education plan exercise that outlines how students can select semester coursework that aligns with transfer and/or degree goals.

Step 4: Education Plan

One of the best ways students can keep their education and career goals on track is to create an education plan with a counselor. An "ed plan" gives students a roadmap for how to achieve their academic goal, including a list of courses and requirements, important dates and deadlines, and relevant transfer and career information.

Beginning fall 2014, new to MiraCosta College students are required to complete an education plan to earn and maintain priority registration. Students are introduced to the collaborative process and value of creating an education plan in an academic counseling appointment or "New Student Course Selection" workshop.

Students are encouraged to develop a comprehensive (four or more semester) education plan with a counselor as soon as possible but no later than the end of their second semester at MiraCosta College to maintain their eligibility for priority registration.

Admissions Information

Admissions & Records Office

Oceanside, Building 3300: 760.795.6620

San Elijo, Building 1100: 760.634.7870

Community Learning Center, Building 300: 760.795.8710

www.miracosta.edu/student-services/admissions

Eligibility for Admission

To attend MiraCosta College, a student must be **one** of the following:

- ▶ Eighteen years of age or older and able to benefit from instruction
- ▶ A high school graduate or equivalent
- ▶ Any student who has completed the 8th grade or is at least 15 years of age. Home-schooled students must provide proof of filing as a private school with the Superintendent of Public Instruction or may obtain sign off from the local public high school that the student would normally be attending.

Residency Requirements

The Admissions and Records Office determines a student's residency classification when the student applies to MiraCosta and whenever a student has not attended the college for more than one semester. Students will be notified about their residence classification within 14 calendar days of submitting their application or 14 calendar days after the beginning of the session for which the student has applied.

The residence determination date is the day immediately preceding the first day of instruction of the semester or term during which the student proposes to attend MiraCosta

College. At any residence determination date, a student previously classified as a nonresident may be reclassified.

Students should contact Admissions and Records for further information regarding residency requirements.

Admission of International Students

Oceanside: 760.795.6897

www.miracosta.edu/iip

As part of its educational program, MiraCosta promotes the internationalization of its college community by attracting capable international students. MiraCosta is authorized under federal law to enroll nonimmigrant F-1 visa students.

The college's International Office processes international student admissions and provides support services for F-1 students attending MiraCosta College. Prospective international students can be considered for admission to MiraCosta after submitting a completed International Student Application (for F-1 Visa) Form and all required application materials as outlined by Administrative Procedure 5012 including the following:

- ▶ Official high school (secondary school) transcript translated to English
- ▶ Official transcripts in English from all colleges and universities attended
- ▶ Test of English as a Foreign Language (TOEFL) score or other proof of English proficiency
- ▶ Proof of financial certification for all educational and personal expenses while attending college as an F-1 visa student.

All F-1 visa students must contact the International Office prior to enrolling at MiraCosta. The priority deadline to submit an application for fall semester is July 1 of the application year; the priority deadline to submit an application for spring semester (which begins in January) is November 15 of the previous year.

International students who do not meet the college's English language proficiency requirement and/or wish to improve their English skills can apply for full-time English language training offered by the college's Community Services program, the English Language Institute.

Applications for admission and details regarding MiraCosta's international student programs are available at the International Office (located on the Oceanside Campus) or on the office's website.

Special Admission Programs

Nursing

Nursing students have special application and registration procedures. Specific details about MiraCosta College's nursing programs as well as the admissions requirements are available under the Nursing (p. 327) area of study and on the Nursing webpage.

Biomanufacturing

MiraCosta College offers a bachelor's degree program in biomanufacturing. Information about the program's eligibility requirements, admissions process, and additional tuition for

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upper-division coursework is available under the Biotechnology (p. 143) area of study.

Information for Veterans

Oceanside, Building T100: 760.795.6750

Students receiving GI Bill® educational benefits are subject to the following general policies ("GI Bill®" is a registered trademark of the U.S. Department of Veterans Affairs [VA]):

- ▶ Students must declare a major and enroll in classes required for their major.
- ▶ Students must have ALL prior college and military credit evaluated.
- ▶ Transcripts must be received by the college before the end of their first semester.
- ▶ Students must meet with a MiraCosta academic counselor to obtain an educational plan during their first semester.
- ▶ Students must be making satisfactory progress toward their educational goals.
- ▶ Students must report all changes in their educational status, including adds and drops in class schedule, education plans, or Transfer Admission Guarantee (TAG) agreements, to MiraCosta's Veterans Services Office.

Continuing students should notify the appropriate staff member of their intention to continue the GI Bill® prior to the end of each term to prevent interruption. Because not all classes are VA approved, students should have their classes reviewed by a Veterans counselor.

Students changing their major must file the necessary paperwork and make a counseling appointment to update their education plan. It takes approximately 6 to 8 weeks to process a VA Education Claim.

Early Military Discharge

Military service personnel who plan to request an early discharge in order to attend MiraCosta College should complete an Application for Admission and request confirmation from the Admissions and Records Office.

Full/Part-Time Student Status

Full-time status is required for certain programs, including the following:

- ▶ **Intercollegiate sports:** Students must be actively enrolled in at least 12 units.
- ▶ **Veterans:** Students must be enrolled in at least 12 units to receive the maximum benefit through the GI Bill®. Reduced benefits are available for students taking at least 6 units.
- ▶ **Financial aid:** Most programs require at least half-time enrollment, which is 6 units.
- ▶ **EOPS:** Students must be enrolled in at least 12 units or 14 contact hours per week.

Registering for Courses

Students may register online using the SURF online registration system with certain exceptions (such as challenging a prerequisite or having a time conflict).

The college provides early registration dates for matriculated students (see Matriculation (p. 18)), students participating in Extended Opportunity Programs and Services (EOPS) or Student Accessibility Services (SAS; formerly Disabled Students Programs and Services), foster youth and former foster youth (up to and including the age of 24), and active duty or recently discharged military personnel. (Contact Admissions and Records, SAS, EOPS, or Veterans Services for more information.) Note: Priority registration may not apply to registration in certain vocational or allied health programs that require a separate application process.

Priority Registration Regulations in Effect Since Fall 2014

The California Community Colleges Board of Governors has established system-wide registration priorities designed to ensure classes are available for students seeking job training, degree attainment, or transfer and to reward students who make progress toward their educational goals.

- ▶ New students who have completed college orientation and assessment and have developed educational plans as well as continuing students in good academic standing who have not exceeded 90 units (not including units in basic English, math, or English as a Second Language) will have priority over students who do not meet these criteria.
- ▶ Active duty military and recently discharged veterans, current and former foster youth, students participating in EOPS or SAS (formerly DSPS), and students who are experiencing homelessness will continue to have the earliest priority for registration if they meet the same criteria listed above.
- ▶ The regulations, unanimously approved by the Board of Governors, were implemented in fall 2014. We encourage students on probation to seek help to improve their academic standing. Students nearing 90 units should carefully plan their remaining courses. Students who have previously earned a bachelor's degree are not eligible for priority registration.

Credit Courses

Most MiraCosta College courses are offered for credit. That means they are taught by credentialed faculty who meet with students at regularly scheduled times or in self-paced or online formats, and they offer graded instructional experiences that require preparation averaging two hours of additional study for every hour of instruction (lecture). Credit courses are offered to meet requirements for two- and four-year degrees, job preparation or advancement, and basic skills.

Courses numbered from 0 to 49 are basic skills or college preparatory courses. Credit from these courses does not apply toward the associate degree and is not intended for transfer to a four-year college or university.

Students may take a maximum of 30 units of such courses; however, an exception is made for students enrolled in one or more courses of English as a Second Language (ESL) and students identified as having a learning disability. (For

more information, see Non-Degree Applicable Courses in the Academic Standards & Policies section of the catalog.)

Courses numbered from 50 to 99 provide credit toward the associate degree, but this credit is not intended for transfer to a four-year college or university. However, the final determination for credit rests with the transfer institution.

Courses numbered from 100 to 199 represent introductory material and expectations for vocational or academic programs. These courses provide credit toward the associate degree, and this credit is intended for transfer to a four-year college or university. However, some courses that fall within this numbering system may be associate-degree-applicable only, and the final determination regarding the transfer of credit rests with the receiving institution.

Courses that at minimum transfer to the California State University (CSU) or University of California (UC) as elective credit identify their transfer status in the "acceptable for credit" section of their course descriptions.

Students are encouraged to meet with a MiraCosta College counselor and refer to the ASSIST website at www.assist.org to determine if a course also meets a specific major-preparation requirement. (ASSIST is the official transfer and articulation system for California's public colleges and universities.) Courses approved for the CSU (Plan B) and UC (Plan C) general education patterns are identified in the Transferring Coursework section of the catalog.

Courses numbered from 200 to 299 often assume skills and knowledge acquired in previous courses. Like the 100-level courses, they provide credit toward the associate degree, and this credit is intended for transfer to a four-year university. However, some courses that fall within this numbering system may be associate-degree-applicable only, and the final determination regarding the transfer of credit rests with the receiving institution.

Courses that at minimum transfer to the California State University (CSU) or University of California (UC) as elective credit identify their transfer status in the "acceptable for credit" section of their course descriptions.

Students are encouraged to meet with a MiraCosta College counselor and refer to the ASSIST website at www.assist.org to determine if a course also meets a specific major-preparation requirement. (ASSIST is the official transfer and articulation system for California's public colleges and universities.) Courses approved for the CSU (Plan B) and UC (Plan C) general education patterns are identified in the Transferring Coursework section of the catalog.

Courses numbered from 300 to 400 are considered upper division at MiraCosta College. Students must be admitted to the baccalaureate degree program in biomanufacturing at MiraCosta College to be eligible to register in these courses. Final determination regarding the level of these courses rests with the receiving institution.

Course Selection

Course selection is generally the student's responsibility and is based on the student's education plan and previous academic

record. Registration in English and math courses may require placement testing, which is described under "Assessment" in the Matriculation section of the catalog (see Matriculation (p. 18)). Members of the counseling staff are available to assist students in evaluating their academic potential and in making proper class selections.

Students seeking detailed information about courses, such as their content, objectives, types of assignments, and fulfillment of a degree, certificate, or general education requirement, may access course outlines from the Courses and Programs webpage.

Requisites & Other Registration Limitations

Prerequisites and corequisites are conditions of registration that students have to meet in order to register in a specific course. A prerequisite is a course that must be completed with a "C" or better prior to registration in the specific course; a corequisite is a course that is required to be taken the same semester as another course. Prerequisites and corequisites may be established for any of the following reasons:

- ▶ They ensure students have the knowledge and skills that are necessary for success in a specific course.
- ▶ They are required by a four-year public institution.
- ▶ They are part of a closely related lecture/lab pairing within a discipline.
- ▶ They are required by statute or regulation.
- ▶ They are necessary to protect the health or safety of the student or others.

Some courses place restrictions on registration to prevent students from duplicating course work. Others specify something the student must do prior to registering in a course, such as audition or obtain special approval. For example, some intercollegiate competition and public performance courses have auditions or tryouts that restrict registration to those students judged most qualified. Some registration limitations restrict the number of units a student can earn or the number of courses a student can take within a group of courses that share a similar primary educational objective.

Meeting & Clearing Prerequisites

Students may meet prerequisite requirements through satisfactory completion of designated MiraCosta courses or by completing coursework from other United States regionally accredited post-secondary institutions.

Using Coursework from Other Institutions to Clear Prerequisites

To clear prerequisites taken at another institution, students need to provide a transcript or other evidence, such as a grade report, to the Admissions and Records Office along with a Prerequisite/Priority Enrollment form. The office reviews the transcript or other evidence to determine applicability. Grades of C- from a US regionally accredited institution will be accepted (1.7 grade points based on a 4.0 scale or the equivalent). It generally takes 3 to 5 business days to clear a prerequisite taken at another institution.

Additionally, students may meet prerequisites by qualifying through appropriate MiraCosta competency or other approved exams. High school coursework may not be used to clear

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prerequisites unless the prerequisite listed in the course description specifically allows for it.

All prerequisites need to be cleared before students can enroll online. Students who are registered in a requisite course can register in a course that requires the prerequisite for the following semester pending proof of the requisite course's satisfactory completion. If the course taken at another institution is in progress at the time the prerequisite is cleared, the course must be completed with a C- or higher or the student will be withdrawn from the course and refunded applicable fees.

Challenging Requisites & Other Registration Limitations

A student may challenge any prerequisite, corequisite, or other registration limitation by submitting a MiraCosta College Challenge form at the time of registration to the Admissions and Records Office. The student will be registered in the requested class if space is available.

The department whose course requisite or registration limitation is being challenged will review the challenge and notify the student of the department's decision within five instructional days (excluding weekends and holidays). If the challenge is upheld, the student may remain in the course; if it is denied, the student will be dropped from the class and refunded all applicable fees.

The only grounds for challenging a prerequisite or corequisite are as follows:

- ▶ It has not been established in accordance with the district's process for establishing prerequisites and corequisites.
- ▶ It is in violation of title 5 of the California Code of Regulations.
- ▶ It is either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner.
- ▶ The student has the knowledge or ability to succeed in the course despite not meeting the prerequisite or corequisite.
- ▶ The student will be subject to undue delay in attaining the goal of their student educational plan because the prerequisite or corequisite course has not been made reasonably available.

The only grounds for challenging a registration limitation are as follows:

- ▶ It is either unlawfully discriminatory or is being applied in an unlawfully discriminatory manner.
- ▶ The district is not following its enrollment procedures.
- ▶ The basis for the limitation does not in fact exist.

Multiple & Overlapping Enrollments

Students may not register in two or more sections of the same credit course during the same term unless the length of the courses allows registration without the student being registered in more than one section at any given time.

Registration in two or more courses that have overlapping meeting times is not allowed except in special circumstances. To request approval for such an exception, the student needs to submit a Time Conflict Approval form. If the student is allowed to register in overlapping classes, then for attendance

accounting purposes, the student must satisfy **all** of the following requirements:

- ▶ The student provides sound justification other than scheduling convenience.
- ▶ The Director of Admissions and Records approves the schedule.
- ▶ MiraCosta maintains documentation describing the justification and showing the student made up the hours of overlap during the same week under the instructor's supervision.

Adding Classes

Full-semester-length and 15-week classes may be added through the first week of the semester (or session) or, at the instructor's discretion, through the second week. Students wishing to add a class that is closed (full) may attend the first class meeting and request a permission number from the instructor if space becomes available.

Students have not successfully added a class until they have officially registered and paid the appropriate fees.

Students may not add a class after the deadline listed in the class schedule. Students who believe they have extenuating circumstances for adding late may petition the instructor and appropriate dean. Deadlines for short-term, late-start, and open-entry classes are available in the Admissions and Records Office.

Dropping Classes

Students are responsible for dropping their own unwanted classes; however, instructors may drop students who are absent for the first class meeting or who have excessive absences thereafter. In addition, students may be dropped for non-payment, for failing to meet prerequisites, or as a result of disciplinary action.

To avoid receiving a failing grade, a student must officially drop a class either by using the online SURF system or by submitting a Drop Card to the Admissions and Records Office by the appropriate deadline. The instructor's signature is not required on the Drop Card.

Four deadlines pertain to dropping a class:

- ▶ The first deadline entitles students to a refund and no record on their transcript.
- ▶ The second deadline results in a "W" (withdrawal) rather than an evaluative grade and no refund.
- ▶ The third deadline is the 60 percent withdrawal date for calculating return of Title 5 funds for financial aid purposes.
- ▶ The fourth deadline is the 75 percent withdrawal date after which students will be issued an evaluative grade and no refund.

Each semester's class schedule lists the deadlines for dropping standard full-semester and short-term classes.

Wait List for Full Classes

Some classes fill quickly. Prior to the start of the class, students have the option to be placed on a wait list for full sections. The last day students can add themselves to a wait list is the Saturday before the start of the class. Students will be auto-

registered daily until the Sunday before the first day of classes. Information regarding success, payment required, and problems will be communicated to students via email.

If not auto-registered, waitlisted students (along with all registered students) are required to attend the first meeting of the class. If registered students are not present or other students decide to withdraw from the class, the instructor may allow students from the wait list to register. The instructor issues those students a permission number to use for adding the class on SURF.

Students who wish to waitlist online courses should select wait list and contact the instructor via email once the class begins to inquire about possible openings.

Classes for which a student is waitlisted do not count as official registration and may not be used to fulfill registration requirements toward financial aid or verification of registration.

Fees

Students are required to pay fees at the time of enrollment in classes. Any debt will result in denial of further enrollment privileges and withholding of services, such as transcript requests and enrollment verifications.

Enrollment fees are subject to change as directed by the California Legislature. All other fees are subject to change as directed either by the California Legislature or by the MiraCosta College Board of Trustees in accordance with Title 5 of the California Code of Regulations.

Detailed information about fees, financial aid, and scholarships can be found in each semester's class schedule, in the Financial Aid Office (located in Building 3000 of the Oceanside Campus), and at www.miracosta.edu/studentservices.

Enrollment Fee

MiraCosta College is required by state law to charge each student a per-unit enrollment fee for credit classes.

- ▶ California residents currently pay **\$46 per credit unit**.
- ▶ International students and non-California residents currently pay an additional \$304 per credit unit for a total enrollment fee of **\$350 per unit**. (Please see Admissions Information for residency requirements.)

High school students who are concurrently enrolled part-time are not required to pay the enrollment fee. Non-resident students (except those students with non-immigrant visas) may be eligible to have their non-resident tuition waived.

Instructional Materials Fee

Some courses require a materials fee as a condition of enrollment in a class. When required, this fee is noted in the course description. The fee is used to purchase materials such as tools, equipment, and clothing that not only are necessary for achieving the respective course's objectives but also have a continuing value to the student outside of the classroom setting.

Textbook Costs

Most credit courses require students to provide their own textbooks, lab manuals, and workbooks, which can cost upwards of \$150 per class unless the class section is designated as Zero Textbook Cost (ZTC) or Low Textbook Cost (LTC). ZTC classes typically use no-cost digital textbooks, online resources, and homework systems, and they may have optional print texts and other required materials, such as lab supplies, a calculator, or test forms, that are not free. LTC-designated classes use course materials that may be purchased new for \$40 or less at the MiraCosta College bookstore. You can see a list of all ZTC and LTC classes MiraCosta offers at miracosta.edu/ZTCclasses, and you can search for them in SURF where they are marked with the following logos:



Note: While the college strives to ensure the accuracy of ZTC and LTC designations, under some circumstances, faculty may have to adjust the selection of instructional materials, which can affect course material costs. Additionally, when the college must change an instructor originally assigned to a class, the replacement instructor is not obligated to use free or low-cost course materials selected by the original instructor.

Textbooks, lab manuals, workbooks, and other course materials for classes taught online or at the Oceanside Campus can be rented or purchased from the Oceanside Campus bookstore; course materials for classes taught at the San Elijo Campus can be rented or purchased from the San Elijo Campus bookstore (see www.bkstr.com/miracostastore/shop/textbooks-and-course-materials). Books for classes taught at the Community Learning Center (CLC) must be purchased or rented at the CLC bookstore.

Students are encouraged to participate in the bookstore's textbook rental, used book, and book buy-back programs. Students who need assistance paying for books should contact the Financial Aid Office to determine their eligibility for financial aid, book grants, or book loans.

Health Services Fee

All students enrolled in credit courses and taking any number of units at the Oceanside Campus, San Elijo Campus, or Community Learning Center are required to pay a state-mandated health services fee. This fee is currently **\$19 per semester**. The fee covers the cost of secondary student accident insurance and helps fund the operational expenses of the Health Services Center.

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Students enrolled in credit courses conducted at other locations must also pay the health services fee. However, companies or school districts that arrange for MiraCosta to conduct classes at off-site locations may request a waiver of the health services fee by providing proof of accident insurance. Arrangements for a fee waiver need to be made with the Office of Instruction when off-site class negotiations are conducted.

The following students are not required to pay the health services fee:

- ▶ Students studying abroad.
- ▶ Students participating in an approved apprenticeship training program.
- ▶ Students enrolled in noncredit courses. (They may choose to pay the fee if they want to use and benefit from the health and medical services that the Health Services Office provides.)
- ▶ Students who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization. (These students must present documentary evidence of their affiliation with a bona fide religious sect, denomination, or organization.)

Parking Fees

All student vehicles parked on campus must be registered with the Parking/Campus Police Office, and vehicles not displaying a parking permit will be ticketed. A parking fee is charged for registration of each vehicle each semester with some exceptions, which are listed in the class schedule, and the fee varies with the type of vehicle:

- ▶ Four-wheel vehicle (hang tag or sticker): **\$35 per semester**
- ▶ Motorcycle, motor-driven two-wheel vehicle (sticker): **\$17.50 per semester**

Daily parking permit machines are located on all three campuses. San Elijo and Oceanside Campus permits may be purchased for \$1 and the Community Learning Center campus permits may be purchased for \$.50 All visitors must purchase a permit to park on campus Monday through Saturday.

The Parking/Campus Police Office is located in Parking Lot 1A on the Oceanside Campus and on the east side of the entrance to the San Elijo Campus. Upon request, the office will provide a copy of all the rules and regulations that pertain to parking on campus. Students who violate the college's parking rules and regulations are subject to citations and fines.

Student Center Fee

A Student Center fee of **\$1 per credit unit with a maximum of \$10 per academic year** (summer through spring) is charged to students enrolled in on-campus credit classes at the San Elijo or Oceanside Campus. This fee is waived for students who provide the Financial Aid Office with documentation of their participation in AFDC/TANF, SSI, or General Relief.

Student Representation Fee

Education Code requires community colleges to collect a student representation fee of \$2 at the time of registration to support student advocacy both locally and statewide.

Student Identification Card Fee (optional)

The student identification (ID) card, known as the Spartan Pass, is available for all students, including noncredit and credit students, and provides many benefits on and off campus. For example, the Spartan Pass offers many discounts, including savings at retail shops, restaurants, museums, sporting events, and travel.

The funds received from the purchase of Spartan Passes go back to serving the students by allocating \$5 to the Associated Student Government and \$1 to the Chariot News Media. This money is then used to offer events, activities, ASG stipends and scholarships, and news publications for the MiraCosta College community.

Students can pay for their Spartan Pass in SURF or at the Cashier's office. Then students can request their Spartan Pass by visiting www.miracosta.edu/Engage and completing the "Spartan Pass/ Nursing ID Card Application."

Transcript Fees

Two transcripts are provided to each student without cost. Additional copies cost \$5 each. An additional \$2 processing fee is charged for transcripts ordered online.

California Veteran Dependent Exemption

The basic benefit is the waiver of tuition and required incidental fees at a California community college, California State University, or University of California. Dependents who may be eligible for this benefit include the following:

- ▶ A child or surviving spouse of a veteran who died in the line of duty or as a result of a service-connected disability.
- ▶ A child or spouse of a totally disabled, service-connected veteran.
- ▶ A child of a veteran who has applied for a service-connected disability, has received a rating of zero or more percent, and falls within the income guidelines.

Contact the MiraCosta College Veterans Services Office (760.757.2121 x6285), the California Association of County Veterans Service Officers, or the California Department of Veterans Affairs (916.503.8397) for information about how to apply for this college fee waiver.

Penalty for Dishonored Checks

A \$10 penalty is levied for every check dishonored by the bank and returned to the college. This penalty is in addition to any and all other fees, fines, and charges.

A \$10 processing fee is charged for a clearance of a HOLD that has been put on a student's record.

Delinquent Debt Collection Charge

Each student is responsible for paying all fees for a term or session. If the California Legislature changes the fees, the student is responsible for any fee increase for classes that remain on or are added to the student schedule. When fees are not paid, the fees owed are past due and subject to the collections process. If a delinquent debt is sent to collections, a reasonable collection cost of up to 25 percent may be

added to the balance owed. Delinquent accounts may also be reported to one or more of the national credit bureaus.

Refunds

Student Eligibility for Refund

Refunds of enrollment, non-resident, Student Center, health services, and materials fees are given to the following students:

- ▶ Those whose classes have been canceled by the district.
- ▶ Those who have officially dropped from classes (they have dropped online using SURF or turned in a Drop Card to the Admissions and Records Office) during the first two weeks of a full-semester class (or by 10 percent of a short-term class).
- ▶ Those who are members of an active or reserve military service who receive orders compelling a withdrawal from courses at any time during the semester.

Processing of Refunds

Refunds are automatically mailed or credited to the student's credit card throughout the semester. Students who have not received their refund by the sixth week of classes should call the Student Accounts Office at 760.795.6835.

Students who receive federal financial aid funds and totally withdraw before the 60 percent date of the term require a refund and repayment calculation to determine funds owed back to the various federal aid programs by both the college and the student. Unofficial withdrawals (grades of all Fs and/or Ws) also require a refund and repayment calculation. Refunds of federal aid programs are made according to a formula established by the U.S. Department of Education. Additional information is available in the Financial Aid Office.

Credit from Other Colleges & Articulated High School Courses

MiraCosta grants degree credit for courses taken at United States regionally accredited institutions of higher learning (Associations of Colleges and Schools), but MiraCosta reserves the right to evaluate work completed at other colleges. If an institution is fully accredited, the credit earned at a time when an institution was a candidate for accreditation may also be accepted for credit.

Courses from U.S. regionally accredited colleges or universities are evaluated for degree requirements based on C-ID number or course description, comparable or equivalent content and student learning outcomes, and appropriate prerequisites. Students may be required to provide a course outline and/or a syllabus to determine course comparability and a transcript to verify prerequisite completion.

Courses completed at another California community college and from other U.S. regionally accredited institutions are

applied to the MiraCosta College general education pattern (Plan A (p. 69)) using the following criteria:

- ▶ The course completed was approved for the same general education area as the MiraCosta general education area.
- ▶ The course completed was approved for a comparable general education area.
- ▶ The course completed is comparable to a course offered by MiraCosta in a general education area.

Courses are placed on the transferable general education patterns—CSU-GE (Plan B (p. 76)) and IGETC (Plan C (p. 82))—according to the policies set by the California State University (CSU) and the University of California (UC).

MiraCosta evaluates transfer credits from quarter-system institutions as follows: one unit in a quarter-length term is equivalent to two-thirds of a unit in a semester-length term (e.g., 3 quarter units = 2 semester units).

Credit for International Coursework

MiraCosta College evaluates international coursework for satisfying associate degree requirements, including prerequisite requirements, when course descriptions are submitted in English along with a transcript evaluated by an approved foreign transcript evaluation service. Only courses that were taught in the English language are considered for satisfying the writing competency requirement.

Credit for Articulated High School Courses

Oceanside, Building 3700: 760.757.2121, x6578

www.miracosta.edu/academics/high-school-articulation/

MiraCosta College awards college credit to high school students who earn an A or B in career-related "articulated" high school courses. An articulated course is one in which the high school teacher and MiraCosta College faculty have formally agreed that the high school course's outline, syllabus, textbook, and final exam are comparable to those in a course of the same subject at MiraCosta. More than 40 different high school courses have been articulated in the following subjects: accounting, architecture, automotive technology, business administration, child development, design drafting technology, engineering, horticulture, medical assisting, and nursing. Students who are taking courses in these subjects at area high schools may be eligible for college credit. To find out which high school courses offer articulated MiraCosta College credit, students should visit the high school articulation website.

C-ID Courses

The Course Identification Numbering System (C-ID) is a statewide numbering system that assigns a common number to comparable courses within the California community college system. This number is independent from the course numbers assigned by MiraCosta College or any other community college in the state. When a C-ID number is listed in the catalog or schedule at the end of a MiraCosta course description, students can be assured the course will be accepted in lieu of a course bearing the same C-ID designation at another community college. Many courses with C-ID descriptors may also meet requirements for the Associate Degree for Transfer to the California State University system.

The following table lists the MiraCosta College courses that currently have a C-ID number. As courses are approved for a C-ID, they will be added to this table and noted in the catalog addendum.

MiraCosta Course	Course Title	C-ID #
ACCT 201	Financial Accounting	ACCT-110
ACCT 201H	Financial Accounting (Honors)	ACCT-110
ACCT 202	Managerial Accounting	ACCT-120
ACCT 202H	Managerial Accounting (Honors)	ACCT-120
ADM 100	Introduction to the Administration of Justice	AJ-110
ADM 100H	Introduction to the Administration of Justice (Honors)	AJ-110
ADM 200	Concepts of Criminal Law	AJ-120
ADM 210	Criminal Procedures	AJ-122
ADM 220	Criminal Evidence	AJ-124
ADM 230	Policing in a Diverse and Multicultural Society	AJ-160
ADM 270	Crime and Delinquency	AJ-220
ADM 280	Criminal Investigation	AJ-140
ANTH 101	Biological Anthropology	ANTH-110
ANTH 101H	Biological Anthropology (Honors)	ANTH-110
ANTH 101L	Biological Anthropology Laboratory	ANTH-115L

ANTH 101LH	Biological Anthropology Laboratory (Honors)	ANTH-115L
ANTH 102	Cultural Anthropology	ANTH-120
ANTH 102H	Cultural Anthropology (Honors)	ANTH-120
ANTH 103	Introduction to Archaeology	ANTH-150
ART 100	Drawing and Composition	ARTS-110
ART 101	Design and Color	ARTS-100, ARTS-270
ART 102	Drawing and Composition II	ARTS-205
ART 103	3D Design	ARTS-101
ART 158	Traditional Arts of Africa, Oceania, and the Americas	ARTH-140
ART 203	Life Drawing I	ARTS-200
ART 204	Painting I: Oils	ARTS-210
ART 245	Digital Arts and Media	ARTS-250
ART 258	Ancient to Gothic Art	ARTH-110
ART 259	History of Renaissance to Modern Art	ARTH-120
ART 260	History of Modern Art	ARTH-150
ART 260H	History of Modern Art (Honors)	ARTH-150
AUTO 102	Preventive Maintenance and Engine Performance	AUTO-110X*
AUTO 155	Manual Transmissions and Transaxles	AUTO-130X*
AUTO 156	Automatic Transmissions and Transaxles	AUTO-120X*
AUTO 200	Automotive Hybrid and Alternative Fuel Vehicles	ALTF-100X*
AUTO 220	HVAC Heating, Ventilation, and Air Conditioning	AUTO-170X*
BIO 202	Foundations of Biology: Evolution, Biodiversity and Organismal Biology	BIOL-140
BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology	BIOL-190

BIO 204H	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology (Honors)	BIOL-190	CHEM 150H + CHEM 151H	General Chemistry I: CHEM-120S For Science Majors (Honors) + General Chemistry II: For Science Majors (Honors)	
BIO 202 + BIO 204	Foundations of Biology: Evolution, Biodiversity and Organismal Biology + Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology	BIOL-135S	CHEM 210	Organic Chemistry I: CHEM-150 For Science Majors	
			CHEM 210H	Organic Chemistry I: CHEM-150 For Science Majors (Honors)	
			CHEM 210 + CHEM 211	Organic Chemistry I: CHEM-160S For Science Majors + Organic Chemistry II: For Science Majors	
BIO 202 + BIO 204H	Foundations of Biology: Evolution, Biodiversity and Organismal Biology (Honors) + Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology (Honors)	BIOL-135S	CHEM 210H + CHEM 211H	Organic Chemistry I: CHEM-160S For Science Majors (Honors) + Organic Chemistry II: For Science Majors (Honors)	
BIO 210	Human Anatomy	BIOL-110B	CHLD 105	Introduction to Teaching Young Children	ECE-120
BIO 210H	Human Anatomy (Honors)	BIOL-110B	CHLD 106	Introduction to Curriculum in Early Childhood	ECE-130
BIO 220	Human Physiology	BIOL-120B	CHLD 113	Child and Adolescent Growth and Development	CDEV-100
BUS 120	Introduction to Business	BUS-110	CHLD 200	Observation and Assessment in Early Childhood	ECE-200
BUS 120H	Introduction to Business (Honors)	BUS-110	CHLD 205	Health, Safety, and Nutrition	ECE-220
BUS 140	Legal Environment of Business	BUS-120, BUS-125	CHLD 210	Child, Family, and Community	CDEV-110
BUS 140H	Legal Environment of Business (Honors)	BUS-120, BUS-125	CHLD 235	Children in a Diverse Society	ECE-230
BUS 290	Business Communication	BUS-115	CHLD 270	Practicum - The Student Teaching Experience	ECE-210
BUS 290H	Business Communication (Honors)	BUS-115	COMM 101	Public Speaking	COMM-110
CHEM 116	Introductory Organic and Biological Chemistry: For Allied Health Majors	CHEM-102	COMM 106	Group Communication	COMM-140
CHEM 150	General Chemistry I: For Science Majors	CHEM-110	COMM 111	Oral Interpretation of Literature	COMM-170
CHEM 150H	General Chemistry I: For Science Majors (Honors)	CHEM-110	COMM 120	Principles of Human Communication	COMM-180
CHEM 150 + CHEM 151	General Chemistry I: For Science Majors + General Chemistry II: For Science Majors	CHEM-120S	COMM 207	Interpersonal Communication	COMM-130
			COMM 212	Argumentation	COMM-120
			COMM 215	Intercultural Communication	COMM-150
			COMM 220	Introduction to Mass Communication	JOUR-100
			CS 111	Introduction to Computer Science I: Java	ITIS-130

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CS 113	Basic Data Structures and Algorithms	COMP-132	DRAM 256	Stagecraft for Theatre, Television, and Film	THTR-171
CS 150	C++ Programming	COMP-122	ECON 101	Principles of Economics: Macro	ECON-202
CS 220	Computer Architecture and Assembly Language	COMP-142	ECON 102	Principles of Economics: Micro	ECON-201
CS 226	Discrete Structures	COMP-152	ENGL 100	Composition and Reading	ENGL-100
CSIT 120	Fundamentals of Computer Information Systems	ITIS-120, BUS-140	ENGL 100H	Composition and Reading (Honors)	ENGL-100
CSIT 180	Fundamentals of Computer Hardware and Software	ITIS-110	ENGL 201	Critical Thinking, Composition, and Literature	ENGL-110
CSIT 181	Fundamentals of Computer Networking	ITIS-150	ENGL 201H	Critical Thinking, Composition, and Literature (Honors)	ENGL-110
CSIT 182	Fundamentals of Computer Security	ITIS-160	ENGL 202	Critical Thinking and Composition	ENGL-105
CSIT 183	Windows Server	ITIS-155	ENGL 202H	Critical Thinking and Composition (Honors)	ENGL-105
CSIT 184	Systems and Network Administration	ITIS-155	ENGL 280	Creative Writing	ENGL-200
CSIT 188	Introduction to Cybersecurity: Ethical Hacking	ITIS-164	ETHN 207	Race and Ethnic Relations	SOCI-150
CSIT 191	Fundamentals of Cisco Networking	ITIS-150	GEOG 101L	Physical Geography Laboratory	GEOG-111
DRAM 105	Introduction to Theatre	THTR-111	GEOG 102	Cultural Geography	GEOG-120
DRAM 107	Introduction to Design for Performance	THTR-172	GEOG 104	World Geography	GEOG-125
DRAM 123	Script Analysis for Performance and Design	THTR-114	GEOL 101	Physical Geology	GEOL-100
DRAM 130	Acting I	THTR-151	GEOL 101H	Physical Geology (Honors)	GEOL-100
DRAM 141	Lighting Design for Theatre, Television, and Film	THTR-173	GEOL 101L	Physical Geology Laboratory	GEOL-100L
DRAM 146	Costume Design for Theatre, Television, and Film	THTR-174	HEAL 101	Principles of Health	PHS-100
DRAM 201	Rehearsal and Performance: Dramatic Theatre	THTR-191	HEAL 180	Introduction to Public Health	PHS-101
DRAM 202	Rehearsal and Performance: Comedic Theatre	THTR-191	HIST 100	World History to 1500	HIST-150
DRAM 203	Rehearsal and Performance: Classical Theatre	THTR-191	HIST 100H	World History to 1500 (Honors)	HIST-150
DRAM 204	Rehearsal and Performance: Musical Theatre	THTR-191	HIST 101	World History Since 1500	HIST-160
DRAM 231	Acting II	THTR-152	HIST 101H	World History Since 1500 (Honors)	HIST-160
DRAM 253	Makeup for Theatre, Television, and Film	THTR-175	HIST 103	Origins of Western Culture	HIST-170
			HIST 103H	Origins of Western Culture (Honors)	HIST-170
			HIST 104	Modern Western Culture	HIST-180
			HIST 104H	Modern Western Culture (Honors)	HIST-180
			HIST 110	United States History to 1877	HIST-130
			HIST 110H	United States History to 1877 (Honors)	HIST-130

HIST 111	United States History Since 1877	HIST-140
HIST 111H	United States History Since 1877 (Honors)	HIST-140
HORT 115	Soil Science	AG-PS-128L
HORT 116	Plant Science	AG-PS-104, AG-PS-106L
HORT 117	Plant Identification: Trees, Shrubs, and Vines	AG-EH-108L, AG-EH-112L
HORT 118	Arboriculture	AG-EH-130 000X*
HORT 126	Irrigation and Water Management	AG-EH-144X*
HORT 128	Landscape Construction	AG-EH-132X*
HORT 134	Integrated Pest Management	AG-EH-120X*
HOSP 100	Introduction to Hospitality Management	HOSP-100
HOSP 114	Hospitality Law	HOSP-150
HOSP 133	Hotel Management	HOSP-140
HOSP 150	Hospitality Cost Control	HOSP-120
HOSP 153	Introduction to Food and Beverage Management	HOSP-130
LIT 250	American Literature: First Contact Through the Civil War	ENGL-130
LIT 250H	American Literature: First Contact Through the Civil War (Honors)	ENGL-130
LIT 251	American Literature: Mid-1800s to the Present	ENGL-135
LIT 251H	American Literature: Mid-1800s to the Present (Honors)	ENGL-135
LIT 260	English Literature Through the 18th Century	ENGL-160
LIT 260H	English Literature Through the 18th Century (Honors)	ENGL-160
LIT 261	English Literature: Romantic to Contemporary	ENGL-165
LIT 261H	English Literature: Romantic to Contemporary (Honors)	ENGL-165
LIT 270	World Literature to 1600	ENGL 140
LIT 270H	World Literature to 1600 (Honors)	ENGL-140

LIT 271	World Literature Since 1600	ENGL-145
MATH 115	Calculus with Applications	MATH-140
MATH 150	Calculus and Analytic Geometry I	MATH-211
MATH 150H	Calculus and Analytic Geometry I (Honors)	MATH-211
MATH 260	Calculus and Analytic Geometry III	MATH-230
MATH 260H	Calculus and Analytic Geometry III (Honors)	MATH-230
MATH 265	Differential Equations	MATH-240
MATH 270	Linear Algebra	MATH-250
MATH 270H	Linear Algebra (Honors)	MATH-250
MTEC 110	Recording Arts I	CMUS-130X*
MTEC 120	Digital Audio Production I	CMUS-120X*
MTEC 160	Business of Music and Media I	CMUS-140X*
MUS 100	Introduction to Music Theory	MUS-110
MUS 101	Music Theory I	MUS-120
MUS 102	Music Theory II	MUS-130
MUS 103	Musicianship I	MUS-125
MUS 104	Musicianship II	MUS-135
MUS 128	Piano for Music Majors I	MUS-170
MUS 129	Piano for Music Majors II	MUS-171
MUS 144A	Individual Instruction I	MUS-160
MUS 144B	Individual Instruction II	MUS-160
MUS 150A	Contemporary Big Band I	MUS-180
MUS 150B	Contemporary Big Band II	MUS-180
MUS 152A	Small Group Jazz Ensemble I	MUS-185
MUS 152B	Small Group Jazz Ensemble II	MUS-185
MUS 201	Advanced Music Theory	MUS-140, MUS-150
MUS 203	Advanced Musicianship	MUS-145
MUS 228	Advanced Piano	MUS-172
MUS 244A	Individual Instruction III	MUS-160
MUS 244B	Individual Instruction IV	MUS-160
MUS 250A	Contemporary Big Band III	MUS-180

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MUS 250B	Contemporary Big Band IV	MUS-180
MUS 252A	Small Group Jazz Ensemble III	MUS-185
MUS 252B	Small Group Jazz Ensemble IV	MUS-185
MUS 260	Contemporary Music Composition	CMUS-150X*
NUTR 100	Nutrition Today	NUTR-110
NUTR 100H	Nutrition Today (Honors)	NUTR-110
PHIL 101	Introduction to Philosophy: Knowledge and Reality	PHIL-100
PHIL 101H	Introduction to Philosophy: Knowledge and Reality (Honors)	PHIL-100
PHIL 102	Contemporary Moral Problems	LPPS-120, PHIL-120
PHIL 110	Introduction to Logic	PHIL-110
PHIL 110H	Introduction to Logic (Honors)	PHIL-110
PHYS 111	Introductory Physics I	PHYS-105
PHYS 112	Introductory Physics II	PHYS-110
PHYS 111 + PHYS 112	Introductory Physics I + Introductory Physics II	PHYS-100S
PHYS 151	Principles of Physics I	PHYS-205
PHYS 151H	Principles of Physics I (Honors)	PHYS-205
PHYS 151 + PHYS 152 + PHYS 253	Principles of Physics I + Principles of Physics II + Principles of Physics III	PHYS-200S
PHYS 151H + PHYS 152H + PHYS 253H	Principles of Physics I (Honors) + Principles of Physics II (Honors) + Principles of Physics III (Honors)	PHYS-200S
PHYS 152	Principles of Physics II	PHYS-210
PHYS 152H	Principles of Physics II (Honors)	PHYS-210
PHYS 253	Principles of Physics III	PHYS-215
PHYS 253H	Principles of Physics III (Honors)	PHYS-215
PLSC 101	Introduction to Political Science	POLS-150
PLSC 101H	Introduction to Political Science (Honors)	POLS-150
PLSC 102	American Institutions and History	POLS-110

PLSC 103	Comparative Government	POLS-130
PLSC 150	Introduction to International Relations	POLS-140
PSYC 100	Psychology of Personal Growth	PSY-115
PSYC 101	General Psychology	PSY-110
PSYC 101H	General Psychology (Honors)	PSY-110
PSYC 103	Social Psychology	PSY-170
PSYC 104	Statistics for Behavioral Science	SOCI-125
PSYC 104H	Statistics for Behavioral Science (Honors)	SOCI-125
PSYC 114	Abnormal Psychology	PSY-120
PSYC 115	Human Sexuality	PSY-130
PSYC 121	Human Development	PSY-180
PSYC 121H	Human Development (Honors)	PSY-180
PSYC 145	Psychology/ Sociology of the Family	SOCI-130
PSYC 205	Research Methods in Psychology	PSY-200
PSYC 260	Physiological Psychology	PSY-150
SOC 101	Introduction to Sociology	SOCI-110
SOC 101H	Introduction to Sociology (Honors)	SOCI-110
SOC 102	Contemporary Social Problems	SOCI-115
SOC 103	Social Psychology	PSY-170
SOC 105	Introduction to Justice Studies	SOCI-160
SOC 120	Introduction to Women's Studies	SJS-120
SOC 125	Introduction to Statistics in Sociology	SOCI-125
SOC 130	Introduction to Gender Studies	SOCI-140
SOC 140	Introduction to LGBT Studies	SJS-130
SOC 145	Psychology/ Sociology of the Family	SOCI-130
SOC 205	Introduction to Research Methods in Sociology	SOCI-120
SOC 207	Race and Ethnic Relations	SJS-110, SOCI-150

SPAN 101	Elementary Spanish (First Semester)	SPAN-100
SPAN 102	Elementary Spanish (Second Semester)	SPAN-110
SPAN 201	Intermediate Spanish (Third Semester)	SPAN-200
SPAN 202	Intermediate Spanish (Fourth Semester)	SPAN-210
SPAN 221	Spanish for Native Speakers	SPAN-220
SPAN 222	Spanish for Native Speakers II	SPAN-230

* C-IDs that end with **X** apply to career education (CE) programs within the California Community Colleges and are not intended for transfer.

Credit for Prior Learning

Credit for prior learning (CPL) is college credit awarded for validated college-level skills and knowledge gained outside of a college classroom. CPL may be earned for eligible courses approved by MiraCosta College for students who satisfactorily pass an authorized assessment. An authorized assessment is a process that faculty undertake with a student to ensure the student demonstrates sufficient mastery of the course outcomes as set forth in the course outline of record. "Sufficient mastery" means having attained a level of knowledge, skill, and information equivalent to that demonstrated generally by students who receive the minimum passing grade in the course.

Grading for CPL is in accordance with MiraCosta College's regular grading system and all related policies and procedures (see Grades & Grading Policies (p. 405)). Credit earned by an assessment of prior learning will be clearly annotated on the student's academic record.

Students who are veterans or active duty members of the armed forces, who hold industry-recognized credentials, or who request credit for a course based on their prior learning will be referred to the college's appropriate authority for assessment upon completion of their educational plan.

Units earned for CPL cannot be counted for federal financial aid payment purposes but may be counted for pace of progression and maximum unit calculations.

Determination of Eligibility for Credit for Prior Learning

Credit may be awarded for prior experience or prior learning only for individually identified courses with subject matter similar to that of the student's prior learning and only for a course listed in the MiraCosta College Catalog. Award of credit will be made to general education or program requirements when possible and to electives for students who do not require additional general education or program credits to meet their goals. Units for which credit is given shall not be counted in determining the 12 semester hours of credit in residence required for an associate degree.

Note: University of California and California State University faculty will determine if and how credit for prior learning can be used to meet major-specific requirements upon a student's admission to these campuses.

Approved Methods for Awarding Credit for Prior Learning

Students may demonstrate proficiency in a course eligible for CPL and receive college credit through the approved alternative methods for awarding credit listed below:

- ▶ Achievement of a satisfactory score on any of the following standardized examinations: Advanced Placement (AP), International Baccalaureate (IB), and College Level Examination Program (CLEP).*
- ▶ Evaluation of Joint Services Transcripts (JST).*

- ▶ Satisfactory completion of an institutional examination, known as credit by examination, administered by discipline faculty.*
- ▶ Evaluation of industry-recognized credential documentation.
- ▶ Evaluation of a student portfolio or other assessment approved or conducted by proper authorities of the college.

*AP, IB, CLEP, JST, and credit by exam can be used by MiraCosta College to certify specific CSU and/or UC general education requirements.

Credit for Standardized Examinations

Advanced Placement (AP) Examination Program

MiraCosta grants advanced placement and advanced credit toward its associate degree to high school students who attain scores of 3, 4, or 5 on AP exams administered by the College Entrance Examination Board, consistent with the CSU system. Credit earned through an advanced placement exam will be specifically notated as such on the student's academic record.

Students may earn a minimum of 3 semester units of credit toward their associate degree at MiraCosta for each AP exam satisfactorily passed while in high school. AP credit can also be used to satisfy California State University and University of California transfer and general education admission requirements. The Advanced Placement Guide (p. 34) identifies how specific AP exams can be used for these purposes.

High school students who intend to participate in this program should make the necessary arrangements with their high schools and should request when they take the AP exams that their test scores be sent to the Admissions and Records Office. To obtain credit for advanced placement at MiraCosta, students should make an appointment to see a counselor. In addition, students intending to transfer to four-year institutions should consult a MiraCosta counselor or the individual university regarding AP credit policies.

International Baccalaureate (IB) Examination Program

MiraCosta grants general education and elective credit toward the associate degree for higher-level exams passed with a minimum score of 4 or 5 depending on the exam, consistent with the CSU system. Students intending to transfer to a four-year institution should consult with the individual university regarding its credit policy. The International Baccalaureate Guide (p. 37) identifies how specific exams can be used for these purposes.

College Level Examination Program (CLEP)

MiraCosta may award credit for successful completion of certain CLEP general examinations and subject examinations with a minimum score of 50, consistent with the CSU system. These examinations are especially valuable for people whose learning experiences have taken place primarily outside formal classrooms. The CLEP Guide (p. 38) identifies how specific exams can be used for these purposes.

Credit for U.S. Military Service/Training

MiraCosta College grants experience credit of three elective units for submission of any DD214, 295, or other military transcript. Additionally, active duty military personnel and U.S. military veterans may satisfy the Self-Development general education (GE) requirement from MiraCosta College's GE pattern (Plan A (p. 69)) or the California State University GE-Breadth pattern (Plan B (p. 76)) through submission of a military transcript. Military service school training will be evaluated and awarded associate degree credit in accordance with the recommendations contained in the American Council on Education (ACE) Guide to the Evaluation of Educational Experiences in the Armed Forces. In most circumstances, the units awarded will be elective credit. Students may also receive credit for USAFI/Dantes subject standardized tests and USAFI courses by submitting an official transcript to the Admissions and Records Office. Students should submit a verified copy of their DD214/military transcript to the Admissions and Records Office for evaluation.

Credit by Examination

Credit by examination is a process whereby discipline faculty administer a locally developed exam to determine whether a student can demonstrate sufficient mastery of the learning outcomes of that course. The determination to offer credit by examination rests solely on the discretion of the discipline faculty. A separate examination shall be conducted for each course for which credit is to be granted.

Credit by exam will be offered only under the following conditions:

1. A departmental or program credit by institutional examination policy is on file with Student Services.
2. An instructor who has been designated by departmental statement as eligible to give credit by institutional examination in the course agrees that such credit by institutional examination is appropriate. The instructor is responsible for selecting an appropriate exam.
3. The student must be currently enrolled at the college and in good standing (see Academic Progress, Probation & Probation Appeal Process (p. 399)).
4. An examination may be taken only one time for a specific subject and will not be given in a subject previously completed unsatisfactorily (D, F, or NP).
5. The deadline for returning a completed Credit for Prior Learning Assessment petition to the Admissions and Records Office is Friday of the sixth week of classes during a regular semester or the third week of classes during summer intersession.
6. Students have until the 75 percent deadline to withdraw their intent to take the exam; after that, they must take the exam or they will automatically be issued a grade of "F."
7. Credit by institutional examination will generally not be offered for a course the student is currently enrolled in or for a course that is a prerequisite to a more advanced course in the same subject for which the student has already received college credit.
8. A maximum of 15 units will be granted as credit by institutional examination at MiraCosta College. Note: This number does not include CLEP or other similar standardized tests.
9. Credit by institutional examination will be recorded on the student's permanent record only if department and institutional policy has been followed.
10. Charges will be assessed for credit by institutional examination. The fee will not exceed the enrollment fee associated with enrollment in the course for which the student seeks credit by examination. Credit by institutional exam is covered by the Board of Governors Fee Waiver Program, if eligible.
11. Credits acquired by examination are not applicable to meeting of such unit-load requirements as Selective Service deferment, Veterans, or Social Security benefits.

Credit Using Industry-Recognized Credentials

The determination to offer CPL using industry-recognized credential documentation rests solely on the discretion of the discipline faculty. Students shall receive credit if the discipline faculty who normally teach the course for which credit is to be granted determine the industry certification adequately measures mastery of the course outcomes as set forth in the course outline of record. Students who wish to demonstrate proficiency in a course eligible for CPL using industry certification and receive college credit must file a Credit for Prior Learning Assessment petition to the Admissions and Records Office by the Friday of the sixth week of classes during a regular semester or the third week of classes during summer intersession.

Credit Using Other Assessments

The determination to offer CPL using other types of assessment rests solely on the discretion of the discipline faculty. The nature and content of other types of assessment, such as student portfolios or skills demonstrations, shall be determined by faculty in the discipline who normally teach the course for which credit is to be granted. Students shall receive credit if the faculty determine that the assessment adequately measures sufficient mastery of the course outcomes as set forth in the course outline of record. Students who wish to demonstrate proficiency in a course eligible for CPL and receive college credit using a faculty-approved assessment method must file a Credit for Prior Learning Assessment petition to the Admissions and Records Office by the Friday of the sixth week of classes during a regular semester or the third week of classes during summer intersession.

(Source: MCCD Board Policy and Administrative Procedure 4235. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Advanced Placement Guide

Advanced Placement (AP) exams with a minimum score of 3 can be used toward associate degree requirements, CSU admission and GE certification requirements, and UC admission and IGETC certification requirements.

Advanced Placement Exam	MCC Course(s) Maximum AA/AS Units*	MiraCosta GE Area	CSU GE Certification Area/Semester Units**	CSU Minimum Admission Semester Units**	IGETC Certification Area/Semester Units***	UC Admission Semester Units***
AP Seminar	3 units	N/A	N/A	3 units	N/A	N/A
Art History	ART 258 and ART 259 6 units	Area C 3 units	Area C1 or C2 3 units	6 units	Area 3A or 3B 3 units	5.3 units
Biology	BIO 110 or BIO 111 and BIO 111L 6 units	Area B 4 units	Areas B2 and B3 4 units	6 units	Area 5B/5C 4 units	5.3 units
Calculus AB	MATH 150 3 units (only one Calculus AP exam applied to degree)	Area A2 3 units	Area B4 3 units	3 units (only one Calculus AP exam applied to degree)	Area 2A 3 units	2.6 units (5.3 units max credit for Calculus AP exams)
Calculus BC	MATH 150 and MATH 155 6 units (only one Calculus AP exam applied to degree)	Area A2 3 units	Area B4 3 units	6 units (only one Calculus AP exam applied to degree)	Area 2A 3 units	5.3 units (max credit for Calculus AP exams)
Calculus AB/BC Subscore	N/A 3 units (only one Calculus AP exam applied to degree)	Area A2 3 units	Area B4 3 units	3 units (only one Calculus AP exam applied to degree)	Area 2A 3 units	2.6 units (5.3 unit max credit for Calculus AP exams)
Chemistry	CHEM 150 (only if score of 4 or 5) 6 units	Area B 4 units	Areas B1 and B3 4 units	6 units	Area 5A/5C 4 units	5.3 units
Chinese Language and Culture	N/A 6 units	Area C 3 units	Area C2 3 units	6 units	Areas 3B and 6 3 units	5.3 units
Computer Science A	CS 111 3 units	N/A	N/A	3 units (only one CS AP exam applied to degree)	N/A	2 units
Computer Science Principles	CS 101 3 units (only one CS AP exam applied to degree)	Area E1 3 units	Area B4 3 units	6 units (only one CS AP exam applied to degree)	N/A	5.3 units
Economics: Macroeconomics	ECON 101 3 units	Area D 3 units	Area D 3 units	3 units	Area 4 3 units	2.6 units
Economics: Microeconomics	ECON 102 3 units	Area D 3 units	Area D 3 units	3 units	Area 4 3 units	2.6 units
English: Language and Composition	ENGL 100 6 units	Area A1 3 units	Area A2 3 units	6 units	Area 1A 3 units	5.3 units (max credit for English AP exams)
English: Literature and Composition	ENGL 100 and LIT elective 6 units	Area A1 3 units Area C 3 units	Areas A2 and C2 6 units	6 units	Area 1A or 3B 3 units	5.3 units (max credit for English AP exams)

Environmental Science	N/A 4 units	Area B 4 units	Areas B1 and B3 4 units	4 units	Area 5A/5C 3 units (7 units required for Area 5)	2.6 units
French Language and Culture	FREN 201 6 units	Area C 3 units	Area C2 3 units	6 units	Areas 3B and 6 3 units	5.3 units
German Language and Culture	GRMN 201 6 units	Area C 3 units	Area C2 3 units	6 units	Areas 3B and 6 3 units	5.3 units
Geography (Human)	GEOG 102 3 units	Areas D and F 3 units	Area D 3 units	3 units	Area 4 3 units	2.6 units
Government and Politics: Comparative	PLSC 103 3 units	Area D 3 units	Area D 3 units	3 units	Area 4 3 units	2.6 units
Government and Politics: United States+	PLSC 102 3 units	Areas D, F, G Max 3 units	Areas D and US-2 CSU AI requirement 3 units	3 units	Area 4 3 units	2.6 units
History: European	HIST 104 6 units	Areas C, F Max 3 units	Area C2 or D 3 units	6 units	Area 3B or 4 3 units	5.3 units
History: United States+	HIST 110 and HIST 111 6 units	Areas D, F, G Max 3 units	Area C2 or D and US-1 CSU AI requirement 3 units	6 units	Area 3B or 4 3 units	5.3 units
Italian Language and Culture	ITAL 201 6 units	Area C 3 units	Area C2 3 units	6 units	Areas 3B and 6 3 units	5.3 units
Japanese Language and Culture	JAPN 201 6 units	Area C 3 units	Area C2 3 units	6 units	Areas 3B and 6 3 units	5.3 units
Latin	N/A 6 units	Area C 3 units	Area C2 3 units	6 units	Areas 3B and 6A 3 units	5.3 units
Music Theory	MUS 101 6 units	No GE	N/A	6 units	N/A	5.3 units
Physics C: Electricity and Magnetism	PHYS 152 4 units (6 units maximum credit for Physics AP exams)	Area B 4 units	Areas B1 and B3 4 units (maximum GE credit for Physics AP exams)	4 units (6 units maximum credit for Physics AP exams)	Area 5A/5C 3 units	2.6 units (5.3 units max credit for Physics AP exams)
Physics C: Mechanics	PHYS 151 4 units (6 units maximum credit for Physics AP exams)	Area B 4 units	Areas B1 and B3 4 units (maximum GE credit for Physics AP exams)	4 units	Area 5A/5C 3 units	2.6 units (5.3 units max credit for Physics AP exams)
Physics 1	PHYS 111 4 units (6 units maximum credit for Physics AP exams)	Area B 4 units	Areas B1 and B3 4 units (maximum GE credit for Physics AP exams)	4 units (6 units maximum credit for Physics AP exams)	Area 5A/5C 4 units	5.3 units (5.3 units max credit for Physics AP exams)
Physics 2	PHYS 112 4 units (6 units maximum credit for Physics AP exams)	Area B 4 units	Areas B1 and B3 4 units (maximum GE credit for Physics AP exams)	4 units (6 units maximum credit for Physics AP exams)	Area 5A/5C 4 units	5.3 units (5.3 units max credit for Physics AP exams)
Psychology	PSYC 101 3 units	Area D 3 units	Area D 3 units	3 units	Area 4 3 units	2.6 units
Spanish Language and Culture	SPAN 201 6 units	Areas C, F 3 units	Area C2 3 units	6 units	Areas 3B and 6 3 units	5.3 units

Spanish Literature and Culture	SPAN 202 6 units	Area C 3 units	Area C2 3 units	6 units	Areas 3B and 6 3 units	5.3 units
Statistics	BTEC 180, BUS 204, MATH 103, PSYC 104, PSYC 104H, or SOC 125 3 units	Area A2 3 units	Area B4 3 units	3 units	Area 2A 3 units	2.6 units
Studio Art (2-D Design, 3-D Design, Drawing)	N/A 3 units	N/A	N/A	3 units per exam	N/A	5.3 units per exam
World History: Modern	HIST 100 or HIST 101 3 units	Areas D, F Max 3 units	Area C2 or D 3 units	3 units	Area 3B or 4 3 units	5.3 units

*** MCC Advanced Placement Policies**

The AP exams listed above may be applied for course and unit credit toward the MiraCosta College associate degree requirements.

**** CSU Advanced Placement Policies**

The AP exams listed above may be incorporated into certification of CSU General Education-breadth requirements. All CSU campuses will accept the minimum units shown if the examination is included in full or subject area certification; individual CSU campuses may choose to accept more units than those specified towards completion of general education breadth requirements. The CSU Minimum Admission Semester Units column reflects the minimum number of units all CSU campuses will accept toward CSU admission. Each campus in the California State University system determines how it will apply credits earned by external examinations toward the degree major. (See <https://www.calstate.edu/apply/transfer/Pages/advanced-placement-ap.aspx>.)

***** UC Advanced Placement Policies**

Each AP exam may be applied to one IGETC area as satisfying one course requirement, with the exception of Language Other Than English (LOTE). The last column reflects the minimum number of units all University of California campuses will accept toward UC admission. Each campus in the California State University system determines how it will apply credits earned by external examinations toward the degree major. (See <https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ap-credits/>.)

+ This examination only partially fulfills the CSU American Institutions graduation requirement but can be used toward the requirement.

NOTE: This chart reflects the current exams offered by the College Board that have been designated as accepted by UC/CSU at the time of this publication. If a student submits scores from exams not listed on this chart, MiraCosta will apply the UC/CSU credit that was awarded at the time the exam was taken toward general education and associate degree requirements.

International Baccalaureate (IB) Credit Guide for General Education (GE)

IB Exam	MiraCosta GE Area/ Units Maximum Degree Units	CSU-GE Certification Area/Units	CSU Admission Units	IGETC Area/Units	UC Admission Units
Biology HL	Area B/3 units AA/AS 6 units	Area B2/3 units	6 units	Area 5B/3 units	5.3 units
Chemistry HL	Area B/3 units AA/AS 6 units	Area B1/3 units	6 units	Area 5A/3 units	5.3 units
Economics HL	Area D/3 units AA/AS 6 units	Area D/3 units	6 units	Area 4/3 units	5.3 units
Geography HL	Area D/3 units AA/AS 6 units	Area D/3 units	6 units	Area 4/3 units	5.3 units
History HL (any region)	Area C or D/3 units AA/AS 6 units	Area C2 or D/3 units	6 units	Area 3B or 4/3 units	5.3 units
Language A: Literature (any language except English) HL*	Area C/3 units AA/ AS 6 units	Area C2	6 units	Area 3B and 6A/3 units	5.3 units
Language A: Language and Literature (any language except English) HL*	Area C/3 units AA/ AS 6 units	Area C2	6 units	Area 3B and 6A/3 units	5.3 units
Language A: Literature (any language) HL*	Area C/3 units AA/ AS 6 units	Area C2	6 units	Area 3B/3 units	5.3 units
Language A: Language and Literature (any language) HL*	Area C/3 units AA/ AS 6 units	Area C2	6 units	Area 3B/3 units	5.3 units
Language B: (any language) HL*	6 units	N/A	6 units	Area 6A/3 units	5.3 units
Mathematics HL*	Area A2/3 units AA/ AS 6 units	Area B4/3 units	6 units	Area 2A/3 units	5.3 units
Physics HL	Area B/3 units AA/AS 6 units	Area B1/3 units	6 units	Area 5A/3 units	5.3 units
Psychology HL	Area D/3 units AA/AS 6 units	Area D/3 units	3 units	Area 4/3 units	5.3 units
Theatre HL*	Area C/3 units AA/ AS 6 units	Area C1/3 units	6 units	Area 3A/3 units	5.3 units

NOTE: Each CSU and UC campus determines how it will apply external examinations toward credit in the major. Students who have earned credit from an IB exam should not take a comparable college course because transfer credit will not be granted for both.

* A minimum score of 5 for all exams is required by the University of California (UC). California State University (CSU) requires a minimum score of 5, except for Mathematics, Language, and Theatre exams, which require a score of 4. IB credit applied to the MiraCosta College associate degree requires a score of 5 for all exams except Language, Theater, and Mathematics, which require a score of 4.

College Level Examination Program (CLEP) for MiraCosta College and California State University (CSU)

CLEP tests with a minimum score of 50 can be used toward associate degree general education and elective requirements as well as CSU admission and general education certification requirements.

CLEP Exam	MiraCosta GE Area/ Semester Units	MiraCosta Associate Degree Semester Units	CSU GE Certification Area/Semester Units	CSU Minimum Admission Semester Units
American Government	Area D/3 units	3 units	Area D/3 units	3 units
American Literature	Area C/3 units	3 units	Area C2/3 units	3 units
Analyzing and Interpreting Literature	Area C/3 units	3 units	Area C2/3 units	3 units
Biology	Area B/3 units	3 units	Area B2/3 units	3 units
Calculus*	Area A2/3 units	3 units	Area B4/3 units	3 units
Chemistry	Area B/3 units	3 units	Area B1/3 units	3 units
College Algebra*	Area A2/3 units	3 units	Area B4/3 units	3 units
College Algebra- Trigonometry*	Area A2/3 units	3 units	Area B4/3 units	3 units
College Composition Modular	N/A	N/A	N/A	N/A
College Mathematics	N/A	N/A	N/A	N/A
English Composition (no essay)	N/A	N/A	N/A	N/A
English Composition with Essay	N/A	N/A	N/A	N/A
English Literature (exam taken prior to fall 2011)	Area C/3 units	3 units	Area C2/3 units	3 units
Financial Accounting	N/A	3 units	N/A	3 units
French Level I (score of 50) +	N/A	6 units	N/A	6 units
French Level II (score of 59; exam taken prior to fall 2015) +	Area C/3 units	12 units	Area C2/3 units	12 units
French Level II (score of 59)	Area C/3 units	9 units	Area C2/3 units	9 units
Freshman College Composition	N/A	N/A	N/A	N/A
German Level I (score of 50) +	N/A	6 units	N/A	6 units
German Level II (score of 60; exam taken prior to fall 2015) +	Area C/3 units	12 units	Area C2/3 units	12 units
German Level II (score of 60)	Area C/3 units	9 units	Area C2/3 units	9 units
History, U.S. I ++	Areas D, F, G and AI Requirement/3 units	3 units	Area D and US-1 AI Requirement/3 units	3 units
History, U.S. II ++	Areas D, F, G and AI Requirement/3 unit	3 units	Area D and US-1 AI Requirement/3 units	3 units
Human Growth and Development	Area E2/3 units	3 units	Area E/3 units	3 units
Humanities	Area C/3 units	3 units	Area C2/3 units	3 units

Information Systems and Computer Applications	N/A	3 units	N/A	3 units
Introduction to Educational Psychology	N/A	3 units	N/A	3 units
Introductory Business Law	N/A	3 units	N/A	3 units
Introductory Psychology	Area D/3 units	3 units	Area D/3 units	3 units
Introductory Sociology	Area D/3 units	3 units	Area D/3 units	3 units
Natural Sciences	Area B/3 units	3 units	Area B1 or B2/3 units	3 units
Pre-Calculus*	Area A2/3 units	3 units	Area B4/3 units	3 units
Principles of Accounting	N/A	3 units	N/A	3 units
Principles of Macroeconomics	Area D/3 units	3 units	Area D/3 units	3 units
Principles of Management	N/A	3 units	N/A	3 units
Principles of Marketing	N/A	3 units	N/A	3 units
Principles of Microeconomics	Area D/3 units	3 units	Area D/3 units	3 units
Social Sciences and History	N/A	N/A	N/A	N/A
Spanish Level I (score of 50) +	N/A	6 units	N/A	6 units
Spanish Level II (score of 63; exam taken prior to fall 2015) +	Area C/3 units	12 units	Area C2/3 units	12 units
Spanish Level II (score of 63)	Area C/3 units	9 units	Area C2/3 units	9 units
Spanish with Writing Level I (score of 50) +	N/A	6 units	N/A	6 units
Spanish with Writing Level II (score of 63) +	Area C/3 units	9 units	Area C2/3 units	9 units
Trigonometry* (exam taken prior to fall 2006)	Area A2/3 units	3 units	Area B4/3 units	3 units
Western Civilization I	Area C2 or D/3 units	3 units	Area C2 or D/3 units	3 units
Western Civilization II	Area D/3 units	3 units	Area D/3 units	3 units

MiraCosta CLEP Policies:

* Satisfies MiraCosta Mathematics Competency requirement.

+ If a student passes more than one CLEP exam in the same language other than English (French, German, and Spanish), only one examination may be applied to the associate degree. For each of these tests, a passing score of 50 earns 6 units of elective credit; higher scores earn more units and placement in Area C of general education.

CSU CLEP Policies: All CLEP exams may be incorporated into certification of CSU GE-Breadth requirements. All CSU campuses will accept the minimum units shown if the examination is included in full or subject area certification; individual CSU campuses may choose to accept more units than those specified toward completion of general education breadth requirements. The CSU Minimum Admission Semester Units column reflects the minimum number of units all CSU campuses will accept toward CSU admission. The CSU has grandfathered in this policy to guide CLEP submissions for any year the CLEP exam was taken.

+ If a student passes more than one CLEP exam in the same language other than English (French, German, and Spanish), only one examination may be applied to the bachelor's degree. For each of these tests, a passing score of 50 earns 6 units of admissions credit; higher scores earn more units and placement in Area C2 of CSU-GE breadth.

++ This examination only partially fulfills the CSU American Institutions graduation requirement but can be used toward the requirement.

UC CLEP Policies: The University of California currently does not accept CLEP examinations.

Student Support Programs & Services

The background of the slide features a series of overlapping, wavy bands in various shades of blue, creating a sense of movement and depth. The colors range from a deep, vibrant blue to a very light, almost white-blue, with the waves flowing from the top left towards the bottom right.

Academic Services & Tutoring

Tutoring & Academic Support Center (TASC)

Oceanside, Building 1200: 760.795.6682
Community Learning Center, Learning Commons:
760.795.8724

www.miracosta.edu/studentservices/tutoring/

The Tutoring and Academic Support Center (TASC) is committed to enhancing student retention and success by providing assistance to students through innovative academic support services. Full- and part-time students enrolled at MiraCosta College are eligible to use these services free of charge. We have a great group of peer tutors and academic success coaches ready to assist students reach their academic potential.

TASC assists students by providing individual and group tutoring, supplemental learning assistance (embedded tutoring, academic success coaching), student success workshops, and self-help materials. Services are available during day and evening hours at the Community Learning Center and Oceanside campuses. We provide on-ground and online services. Please visit our website for specific links tied to our online services. Sí, se puede!

Math Learning Center (MLC)

Oceanside, Building 1200 (first floor): 760.795.6732
San Elijo, Building 100 (first floor): 760.757.2121, x7748
Community Learning Center, Learning Commons: 760.757.2121, x8843

www.miracosta.edu/mlc

The Math Learning Center (MLC) supports MiraCosta math and statistics students through a variety of online and on-ground services. Services are free of charge and include drop-in and appointment tutoring; help with homework for individuals or groups; computers to allow students to work with online homework systems; and course material, textbook, calculator, and chess-set checkout (for use only in the MLC at the Oceanside and San Elijo Campuses). MLC services are available weekdays and Sundays, with in-person hours at each campus. Friendly and welcoming staff provide tutoring online through Zoom. They also host pre-term prep workshops and provide review sessions and embedded tutors for certain math courses. Visit the website to meet the MLC team, find helpful links to book an online or on-ground appointment, and see the availability of tutors for unscheduled online or on-ground drop-in sessions. Free math help—what could be better!

Writing Center

Oceanside, Building 1200 (first floor) 760.795.6861
San Elijo, Building 100 (first floor): 760.757.2121, x7822
Community Learning Center, Learning Commons: 760.757.2121, x8844

www.miracosta.edu/wc

The Writing Center is for all writers and readers, whether you are an advanced writer looking for a second opinion or a beginning writer just developing your skills. Perhaps you are plagued by grammar issues, have trouble with assigned reading, or need to practice a speech or group presentation for class. Whatever your writing, reading, and speaking goals, the Writing Center is the place for you! When it's time to write those transfer and scholarship essays, Writing Center staff can help with those too.

The Writing Center is open in-person at all three campus sites and provides online services, including forty-five Zoom appointments. You can submit a paper and get a short video with feedback, and you can even connect with a writing coach in a Live Online Center in real time.

Feel free to write in the center and get input as needed—no appointment necessary. Even better, Writing Center services are free of charge! Visit the website to find hours for live services, in-person and online, as well as the direct links to the center's online services.

STEM Learning Center

Oceanside, Building 1200 (first floor): 760.795.6732
San Elijo, Building 100 (first floor): 760.757.2121, x7748

www.miracosta.edu/stem

The Nordson Science, Technology, Engineering and Mathematics (STEM) Learning Centers at the Oceanside and San Elijo Campuses provide free tutoring for students enrolled in chemistry, physics, biology, biotechnology, physical science, computer science, and other science courses. In addition to spaces for drop-in and appointment tutoring, the centers provide independent and group study areas, computer equipment and software, reference materials and textbook resources, as well as equipment including microscopes, slide sets, anatomy and chemistry models, and scientific calculators. Friendly and welcoming staff also provide tutoring online through Zoom and host STEM workshops for TEAS prep and exam prep sessions. Visit the website to meet the incredible team, find helpful links to book an online or on-ground appointment, and see the availability of tutors for unscheduled online or on-ground drop-in sessions. The STEM Learning Center staff are here for you!

Admissions & Records Office

Oceanside, Building 3300: 760.795.6620
San Elijo, Building 1100: 760.634.7870
Community Learning Center, Building 300: 760.795.8710

www.miracosta.edu/studentservices/admissions

The Admissions and Records Office is responsible for processing applications, registering students in credit and noncredit community education classes, processing grades, maintaining academic records, sending transcripts to other schools, evaluating records for graduation, and enforcing academic

regulations. The function of Admissions and Records is handled in three locations: the Oceanside Campus, the San Elijo Campus, and the Community Learning Center (Adult High School and noncredit classes).

Athletics & Intramural Sports

www.miracosta.edu/student-services/athletics

Intercollegiate Athletics at MiraCosta College

The MiraCosta College Intercollegiate Athletic Department takes equal pride in academic and athletic achievements. MiraCosta fields intercollegiate teams in men's soccer, women's soccer, men's basketball, women's basketball, women's volleyball, and women's beach volleyball.

MiraCosta College participates in the California Community College Athletic Association (CCCCAA), along with more than 100 California community colleges, and is a member of the Pacific Coast Athletic Conference, which also includes the eight community colleges in San Diego County.

To participate in intercollegiate athletics, a student must be admitted to the college, be enrolled full time, and meet eligibility requirements of the CCCCCAA. Special rules apply to transfer students. Students wishing to determine eligibility status should contact the athletic director.

More information can be found at www.mccspartans.com

Athletic Department, 760.757.2121, x6194 or for the athletic director, 760.757.2121, x6242

Club Sports at MiraCosta College

The MiraCosta Surf Club offers opportunities for men and women and competes in the collegiate division of the National Scholastic Surfing Association.

The Rugby Club at MiraCosta offers opportunities for men and women and competes in the Gold Coast Conference.

For more information on club sports contact the Athletic Department, 760.757.2121, x6194 or for the athletic director, 760.757.2121, x6242

Intramural Sports at MiraCosta College

The Intramural Sports program is open to all enrolled students free of charge. It provides a safe and fun atmosphere where students can meet new people and enjoy physical activity by participating in a variety of one-day sports events. Sports include basketball, dodgeball, flag football, hiking, kayaking, soccer, ultimate frisbee, and volleyball. Students of all skill-levels are welcome to participate.

For more information on intramural sports contact the Athletic Department, 760.757.2121, x6194 or for the athletic director, 760.757.2121, x6242.

Bookstores

Oceanside, Building 3400: 760.795.6630

San Elijo: 760.634.7830

Community Learning Center: 760.795.8708

The Spartan Bookstores are operated by Follett, Inc. Everything the bookstores offer may also be ordered through www.efollett.com.

The bookstores have textbooks and school supplies that are needed for MiraCosta College classes as well as discounted computer software, art supplies, calculators, tape recorders, batteries, backpacks, clothing, snacks, greeting cards, gifts, and various other items.

Campus Assessment, Resources, & Education (CARE)

About CARE

The Campus Assessment, Resources and Education (CARE) Team is committed to taking a holistic approach to help our students succeed while addressing any challenges they may be experiencing to meet their basic needs, such as food, housing, transportation, childcare, and legal aid. On-campus and off-campus resources are often provided to students to help meet their short-term and long-term needs with the goal of improving the outcomes of their academic and personal success. For more information and how to be referred for CARE services, please visit the CARE website.

How to reach us!

Oceanside, Student Center (Building 3400)

San Elijo, Student Center (Building 900)

Community Learning Center, Student Services (Building 300)

Hours: Monday-Thursday, 8 a.m.–4:30 p.m.; Friday, 8 a.m.–3 p.m.

The CARE Team is available by appointment, walk-in (*when available*), and remotely via phone/email/ZOOM.

Are you or someone you know in need of support and resources? Submit a CARE Referral.

Career Studies & Services

Oceanside, Building 4700: 760.795.6772

www.miracosta.edu/careers

To empower students to make informed, intentional career decisions is the mission of Career Studies & Services, also known as the Career Center. At the Career Center, students are encouraged, educated, and supported through the career development process as they successfully prepare to transfer to four-year universities and transition to professional careers.

The Career Center offers career assessment and counseling to assist students with making effective decisions related to their education and career planning, critical components of student success. Credit courses in career and life planning, internships, and cooperative work experience education and no-cost workshops provide students with the skills they need to conduct results-oriented job and internship searches.

The Career Center's website offers brief videos about preparing for professional employment, an online resume and cover letter workshop, and access to MiraCosta College's Job and Internship Network, JAIN, where local employers exclusively recruit MiraCosta students for internships and jobs. At the Career Center's campus location, students may access computers in the lab, which is equipped with up-to-date career interest and employment preparation software as well as information on a variety of careers, labor market forecasts, salaries, and all aspects of preparing for an internship or for employment.

The Career Center's services are offered through individual sessions and group workshops on a walk-in and by-appointment basis. More information is available on the Career Center's website.

Child Development Center

Oceanside, Building 8000: 760.795.6656

www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/child-development/child-development-center/

MiraCosta College's Child Development Center serves as a campus lab school, providing both academic instruction to college students enrolled in child development courses and early care and education to children of student, staff, and community families. The Center provides developmentally appropriate, play-based, and inclusive programming for children between the ages of 18 months and 5 years. Located on the Oceanside Campus, the Child Development Center is open weekdays from 7:30 a.m.-4:30 p.m. throughout the academic year. Half-day classroom options are available for toddlers. Half-day and full-day classroom options are

available for preschoolers. MiraCosta's student families receive priority enrollment as well as reduced tuition.

Applications for enrollment are available online each semester at the Center's website. Registration for the fall semester begins May 1, and registration for the spring semester begins November 1. Classes fill quickly and families are encouraged to apply early. For additional information and program requirements, interested families should visit the Child Development Center website or call 760.795.6656.

College Police & Lost and Found

College Police

Oceanside, Building 1100: 760.795.6640

San Elijo, Admissions and Records Bldg 1100: 760.795.6640

Community Learning Center: 760.795.6640

Parking Information Line: 760.795.6674

On Campus Emergency: x6911

www.miracosta.edu/police

College Police is responsible for ensuring the general safety and security of students, faculty, and staff as well as operating parking on college properties. Students are required to purchase and display a daily parking permit or new parking permit for each semester (fall, spring, and summer) and may park at the Oceanside Campus in marked stalls in student lots 1B, 2A, 2B, 3A, 3B, 3C, 4C, 5A, or 5B and in marked spaces along Barnard Drive. Additionally, after 6 p.m. students with valid student permits may park in staff spaces on the Oceanside Campus in Parking Lots 3C, 4C, and 5A only. At the San Elijo Campus and Community Learning Center, students may park in marked spaces in student lots. Parking permits are required at all times while school is in session. Daily parking permits may be purchased at all three campuses. The District accepts no responsibility for damage to vehicles or their contents while parked on District property. (*Source: MCCC Board Policy/Administrative Procedure 6750.*)

Disabled students who require special parking must have a Department of Motor Vehicles (DMV) placard or plate, which can be obtained at the local DMV office. Students who have a valid disabled placard, and are the registered owner of the placard or plate, must still register their vehicle with College Police but do not need to purchase a parking permit. Disabled placards will be honored in lieu of a parking permit. Temporary parking arrangements can be made for students who sustain a temporary injury; these permits are available at the Student Accessibility Services (SAS) Office. MiraCosta College Parking Guidelines are available at College Police offices and on the College Police website.

Students, staff, faculty, and campus guests may request an escort from College Police. The service is provided during regular office hours at each campus location. College Police assists with vehicle lock outs, jump starts, and traffic control, and it hosts community policing events and a women's self-

defense program. College Police also coordinates the district's Emergency Preparedness Program.

A copy of MiraCosta College's annual Safety & Security Report (in accordance with the Uniform Crime Reporting Procedures and the Jeanne Clery Disclosure of Campus Security Police and Campus Crime Statistics Act) is available to students and prospective students. This report includes statistics for the previous three years concerning reported crimes that occurred on campus, in certain off-campus buildings or property owned or controlled by the college, and on public property within or immediately adjacent to and accessible from the campus. The report also includes institutional policies concerning campus security, such as policies concerning sexual assault. You can obtain a copy of this report by contacting College Police or through the College Police website.

Hours of the College Police Office at each campus are as follows:

Oceanside Campus:

Monday-Friday, 7 a.m.-11 p.m.

Saturday, 7 a.m.-3 p.m.

San Elijo Campus:

Monday-Friday, 7 a.m.-10 p.m.

Saturday, 8 a.m.-3 p.m.

Community Learning Center:

Monday-Thursday, 7 a.m.-9:30 p.m.

Friday-Saturday, 7 a.m.-3 p.m.

Lost & Found

Oceanside, Building 1100: 760.795.6640

San Elijo, Administration Building: 760.634.7870

www.miracosta.edu/police

Lost & Found is located at the College Police Office at the Oceanside Campus and in the Administration Building at the San Elijo Campus.

Counseling Services

Oceanside, Building 3700: 760.795.6670

San Elijo, Administration Building: 760.944.4449, x6670

Hours: Monday-Thursday, 8 a.m.-7 p.m.; Friday, 8 a.m.-3 p.m.

www.miracosta.edu/counseling

The Counseling Center offers individualized academic, career, and personal counseling to assist both prospective and current students in developing their educational programs, coordinating their career and academic goals, and understanding graduation, major, certificate, and transfer requirements.

Students can visit or call the office for appointments or drop-in times. For more information and online counseling, students should go to the Counseling Services website.

Extended Opportunity Programs & Services (EOPS)

Oceanside, Building 3000: 760.795.6680

www.miracosta.edu/student-services/eops

Extended Opportunity Programs and Services (EOPS) is a state-funded program established in 1969 with the passage of Senate Bill 164. EOPS is a pioneer program among student success-based initiatives, and its components have shown to be essential factors in student success.

The EOPS program's mission is to encourage the enrollment, retention, graduation, and transfer of students disadvantaged by language barriers and/or social, economic, and educational circumstances. EOPS services are designed to give students individualized attention and support as they work to achieve their academic goals. Services include counseling, textbook assistance, priority registration, computer lab and printing, CSU/UC application fee waivers, and other services.

To qualify, students must

- ▶ Be enrolled in 12 units at the time of acceptance to the program (some exceptions are available for Student Accessibility Services, formerly Disabled Students Programs and Services, or special vocational programs).
- ▶ Be eligible for the California College Promise Grant "A" or "B" (formerly Board of Governors Fee Waiver).
- ▶ Be a California resident or meet AB540/California Dream Act requirements.
- ▶ Be educationally disadvantaged as determined by regulations.
- ▶ Not have completed 70 degree-applicable units of college coursework.

Students may apply online via their SURF account. Click here for instructions on how to apply online.

MiraCosta CalWORKs - Housed in the EOPS office, the CalWORKs program provides comprehensive student support services to CalWORKs participants. This program aims to prepare participants to transition into unsubsidized employment and to achieve long term self-sufficiency. Click here to get more information.

Financial Aid Office

Oceanside, Building 3000: 760.795.6711

<https://www.miracosta.edu/student-services/financial-aid/index.html>

Financial aid includes a variety of federal and state programs designed to provide financial support toward a student's successful completion of academic goals. The purpose is to

Student Support Programs & Services

bridge the gap between educational costs and available resources.

Application processing, from filing to eligibility for disbursement, will typically take several weeks. The Financial Aid Office (FAO) recommends applying early.

Financial aid programs available at MiraCosta College include the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (FSEOG), Federal Work-Study (FWS), and Federal Direct Student Loans. State programs include Extended Opportunity Programs and Services (EOPS), the California College Promise Grant (CCPG, formerly known as the Board of Governors [BOG] Fee Waiver), Cal Grants, Full Time Student Success Grant, and the Chafee Grant (designed specifically for foster youth). Local programs include the MiraCosta College Promise and various institutional scholarships.

Students should file the Free Application for Federal Student Aid (FAFSA) at <https://studentaid.gov/h/apply-for-aid/fafsa> or the California Dream Act Application (CADAA) at <https://dream.csac.ca.gov/> for all programs. The priority filing date is March 2 of each year preceding the school year for which the student plans to attend and receive financial aid funds. The March 2 date is a deadline for Cal Grant programs, and only a priority date for other programs, so students should apply even if this date has passed.

Students who wish to borrow a loan under the Direct Loan program must complete all eligibility requirements in time for the FAO to complete a loan origination prior to the end of the term of enrollment.

Minimum eligibility requirements for federal aid programs include the following:

1. Be a U.S. citizen or eligible non-citizen as defined on the FAFSA.
2. Possess a high school diploma (or its equivalent) or be at least 18 years of age and able to demonstrate an ability to benefit from college-level instruction if enrolled in an eligible program prior to July 1, 2012. If the student enrolls for the first time after July 1, 2012, he or she must have a high school diploma or its equivalent.
3. Be enrolled in an eligible program leading to a degree, transfer, or gainful employment.
4. Maintain financial aid Satisfactory Academic Progress (SAP).
5. Not be in default on a federal student loan or owe a repayment of federal grant funds.

Students enrolled less than half-time (fewer than 6 units) are not eligible for student loan programs, Cal Grant, FSEOG, or FWS.

Financial Aid Satisfactory Academic Progress (SAP)

In accordance with federal regulations, a Satisfactory Academic Progress (SAP) policy is in place at MiraCosta College. Student performance is reviewed at the end of each term. Students must complete their goal within 150 percent of the normal units required for that program while maintaining a 70 percent completion rate [units completed (UC) ÷ units attempted (UA)] and an overall 2.0 GPA. These standards must be met to be eligible for financial aid initially and on a

continuing basis regardless of previous financial aid history. SAP covers all federal programs, including Pell Grant, Federal Supplemental Educational Opportunity Grant (FSEOG), Work Study (FWS), and Direct Loans. The SAP policy also applies to the state Cal Grant programs.

Students can read the complete Financial Aid Satisfactory Academic Progress policy available on the Financial Aid Office website under "links."

Refunds/Repayment

Students who receive federal financial aid funds and who totally withdraw before the 60 percent date of the semester require a refund and repayment calculation to determine funds owed back to the various federal aid programs by both the school and the student. Repayment to the federal aid programs is made according to formulas established by the U.S. Department of Education and State of California Title V grading regulations. Additional detail is provided on the Financial Aid Office website and in the FAO Student Guide.

Ineligible Programs/Courses for Federal Financial Aid

Financial aid eligibility is based on units enrolled as of the full semester add/drop date (see academic calendar for dates). Recalculations are not made after that point. These dates apply to all courses, including late start courses.

Eligible programs are degrees (associate and bachelor's) or certificates that lead to gainful employment per federal regulations. Eligible certificate programs must be a minimum of one year in length. (Certificate programs are described under Areas of Study & Courses.)

Any dual enrollment courses taken during high school are ineligible, even if they can also be used toward a degree program.

Credit by Exam: Courses taken in this manner cannot be considered in determining financial aid eligibility.

Repeated Courses: A student may be awarded federal aid funds when repeating, for the first time only (i.e., one repetition per class), a previously passed course in a term-based program. Previously passed means the student obtained a grade higher than "F." Students enrolled in non-term-based programs may not receive credit for retaking coursework.

Remedial Coursework: Once a student has attempted 30 units of remedial coursework (whether successfully completed or not), no additional remedial courses can be included when determining enrollment status for federal financial aid programs.

Food Pantry & Farmer's Market

Food Pantry

The Food Pantry provides food assistance and referrals to students experiencing food insecurity; any student who is

currently enrolled at MiraCosta College qualifies for the support. The support consists of either a snack or entrée items. Typical pantry items consist of canned goods (pasta, vegetables, beans, tuna, soups, and fruit), granola bars, crackers, and snack-like items. The program provides immediate, short-term relief and offers referrals for CalFresh and additional community resources for ongoing assistance with food insecurity. More detailed information about the food pantry is available on the CARE website.

All services are confidential. Food Pantry services are also available through the following Student Services offices:

Oceanside Campus
Building 3400, Room 3306 (Service Learning and Volunteer Center)
760.757.2121 x2200
Oceanside Campus Hours

Community Learning Center
Building 300, Room 327
760.795.8710
Community Learning Center Hours

San Elijo Campus
Student Center
Building 900 (Student Gathering Space), Room 934
760.944.4449 x7475
San Elijo Campus Hours

Farmer's Market For You

In addition to the campus Food Pantry, MiraCosta College offers a free monthly food distribution program known as "Farmer's Market for You." This is a campus-wide collaboration with the San Diego Food Bank and Feeding San Diego to provide access to FREE produce and dry goods. To access this service, students need their Spartan Pass or SURF ID number. For a monthly schedule, visit the CARE website.

CalFresh Resources

CalFresh (federally known as the Supplemental Nutrition Assistance Program) provides monthly food benefits to income-qualifying families and students. Eligible individuals receive free money for food. Students who are interested in finding out more information about this resource can contact the CARE Program. The CARE Team will identify a designated staff to assist students with application intake or a referral to a community provider who can provide application assistance. Students can also apply directly at www.getcalfresh.org.

In order to receive application assistance from the CARE Team, please email calfresh@miracosta.edu with your availability.

Local Food Distributions and Food Resources

The San Diego Food Bank and Feeding San Diego provide a wide variety of food resources and local food distributions in a community near you. Food resources include programs like a client choice pantry, emergency food assistance, congregate meals, and more. To find out more information on how to access these resources, visit The North County Food Bank—Programs or Feeding San Diego—Food Distributions.

Individuals may also dial 211 to speak with a well-trained and live operator to be assisted with finding nearby food resources.

How You Can Get Involved

Volunteer your time: Students, faculty, and staff are encouraged to volunteer their time assisting at our farmers market events. Volunteers are needed to set-up, sort produce, bag produce, organize food items, and provide food to students. If interested in volunteering, please complete our volunteer form and/or contact us with any questions at care@miracosta.edu. For larger groups or programs that would like to volunteer, please contact us about signing up via care@miracosta.edu.

Make a financial contribution: The MiraCosta Food Pantry and Farmer's Market is a campus-wide collaboration and is sustained through Hunger Free Campus Funds and the financial contributions from community, faculty, staff, and students. Financial contributions can be coordinated through the MiraCosta College Foundation Office: 760.795.6645.

Food Services

Oceanside, Building 3400: 760.795.6886
San Elijo, Student Building: 760.634.7886

The Oceanside Campus food service, located on the upper level of the Student Center, is fully open for dining during the fall semester. The café offers breakfast, lunch, daily specials, and a variety of menu items Monday through Thursday from 7 a.m. to 5 p.m. and Friday from 7 a.m. to 2 p.m. Students can enjoy their meals in the dining room with an ocean view or in one of the patio areas.

The San Elijo Campus is open for dining during the fall semester. The café serves breakfast and lunch, with daily lunch specials, and a variety of menu items. The café is open Monday through Friday from 8 a.m. to 2 p.m. The Grab & Go Café is open Monday through Thursday from 2 to 6 p.m.

Both campuses have vending machines stocked with hot and cold beverages, candy, chips, and other snack foods.

Health Services

Oceanside, Building 3300, Room 3326: 760.795.6675
San Elijo, Building 900, Room 917: 760.757.2121, x7747

Appointment request online form: <https://www.miracosta.edu/student-services/health-services/index.html>

Email: mccshs@miracosta.edu

Facebook Instagram

Student Health Services offers both medical and mental health counseling services. Medical services include care provided by registered nurses and nurse practitioners. Counseling and mental health services are provided by Licensed Clinical Social Workers, Licensed Marriage and Family Therapists, Licensed Professional Clinical Counselors, and pre-licensed counselors and associates.

The student health fee, paid on enrollment, funds the operational expenses of Health Services. Most services are provided without any additional cost to the student.

Services include the following:

- ▶ Mental health assessments and referrals
- ▶ Individual, relationship, and family counseling
- ▶ Low-cost laboratory testing
- ▶ Low-cost prescriptions, prescription refills, and prescription assistance programs
- ▶ Tuberculosis clearance for employment and other programs
- ▶ Physical examination
- ▶ Health education, information, and referrals.

Scholarships

Oceanside, Building 3000: 760.795.6751

miracosta.edu/student-services/financial-aid/types-of-aid/scholarships

Continuing MiraCosta College students, graduating high school seniors planning to attend MiraCosta, and MiraCosta students transferring to a four-year college are encouraged to apply for a MiraCosta College Foundation scholarship. Scholarships are funded by the MiraCosta College Foundation, local service organizations, businesses, and individuals. General scholarships are also available as well as scholarships for students pursuing specific academic fields. Please visit the scholarship website for additional information.

School Relations/ Diversity Outreach

Oceanside, Building 3400: 760.795.6894

www.miracosta.edu/studentservices/ambassadors

The MiraCosta College Office of School Relations/Diversity Outreach serves as a resource for students, parents, faculty,

and staff from schools in the college's service area and is responsible for providing outreach services that encourage diversity in the student body. The program's general goals are as follows:

- ▶ Encourage all students to prepare for and pursue a college education by providing college workshops and pre-enrollment advising services.
- ▶ Provide outreach services for underrepresented and educationally disadvantaged students in order to promote a college-going culture.
- ▶ Assist students with their transition into college by providing them with onboarding and admissions-related services.
- ▶ Establish partnerships and maintain positive relations with the administration, faculty, and staff of local K-12 schools.
- ▶ Represent and promote MiraCosta College to the community.
- ▶ Provide campus tours.

Student Ambassador Program

Oceanside, Building 3400, Room 3435: 760.795.6894
San Elijo, Student Center: 760.944.4449, x7782

www.miracosta.edu/studentservices/ambassadors

Student Ambassadors are MiraCosta students hired by the School Relations/Diversity Outreach Department to provide outreach services at K-12 schools and throughout the community. Ambassadors serve as peer advisers to high school students in local schools, develop workshops for elementary and junior high school students, provide information at community events, lead campus tours, and perform a variety of other important duties for the college. Ambassadors must be available to work 5 to 15 hours per week. Applications are available at <http://www.miracosta.edu/ambassador>.

Student Accessibility Services (SAS)

(Formerly known as Disabled Students Programs and Services)

Oceanside, Building 3000: 760.795.6658

miracosta.edu/sas

MiraCosta College is committed to ensuring that students with disabilities receive appropriate and reasonable accommodations in instructional activities as mandated by federal and state law and by college/district policy. A student seeking an academic accommodation due to a documented disability should request assistance from Student Accessibility Services (SAS), formerly known as Disabled Students Programs and Services (DSPS). The student must present verifying documentation of the disability from a qualified professional as determined by SAS.

SAS will assess and document the extent of the student's educational limitations. SAS will authorize academic accommodations based upon the educational limitations and severity of disability.

Accommodations may include interpreters or real-time captioning for the Deaf and hard of hearing, alternate format materials (such as Braille, large print, or e-text), exam accommodations, note takers, equipment loan, and priority enrollment for matriculated students. In addition, the department offers a specialized computer lab, learning strategies classes designed for students with learning disabilities, and special noncredit classes for students with disabilities. All services are designed to help students participate fully in the regular college program.

Student Accounts Office/Cashier

Oceanside, Building 3200, Room 3202: 760.795.6835
San Elijo, Administration Building: 760.634.7762

For most transactions, the Cashier's Office accepts cash, checks, money orders, VISA, Master Card, and Discover Card.

Payment for tuition and fees may be made online through the student's SURF account: surf.miracosta.edu.

Cashier's Office Services

- ▶ Students may pay all fees, such as parking permits, parking citations, health service fees, and transcripts.
- ▶ Students may pick up emergency checks.
- ▶ Students can turn in 529 payment information, Tuition Assistance forms, and Worker's Compensation forms.
- ▶ The office mails IRS form 1098-T.
- ▶ The office sells PRONTO Passes.
- ▶ The office accepts payments for Financial Aid overpayments.
- ▶ The office processes student refunds.
- ▶ The office helps students understand their bill and make payments, and it provides them with excellent service and information.

Student Life & Leadership

Oceanside, Student Center, Room 3435: 760.795.6890
Hours: Monday–Thursday 8 a.m. – 7 p.m.; Friday 8 a.m. – 12 p.m.

San Elijo, Student Center, Room 929: 760.944.4449 x7782
Hours: Monday–Thursday 9 a.m. – 4:30 p.m.; Friday 9 a.m. – 3 p.m.

Student Life & Leadership Email: SLL@miracosta.edu
miracosta.edu/studentlife

Student Life & Leadership aims to foster community, student development, co-curricular engagement, and leadership through the following:

- ▶ Support for the Associated Students of MiraCosta College, student clubs, campus organizations, The Chariot News Media, and Phi Theta Kappa Honors Society.
- ▶ Campus social, recreational, cultural, and educational programming.
- ▶ The Emerging Leaders Institute.
- ▶ On-campus and virtual events and activities.
- ▶ Information, resources, and support, including information about free speech and literature distribution.

The Student Life & Leadership team is firmly committed to centering students in all of their work, addressing student needs, and actively promoting student involvement and development. For more information visit miracosta.edu/studentlife.

Associated Students of MiraCosta College

ASG Phone: 760.795.6891
Email: ASG@miracosta.edu

All students are members of the Associated Students of MiraCosta College (ASMCC). The organization that represents the ASMCC is the Associated Student Government (ASG). The goal of the ASG is to give a voice to all MiraCosta students, enabling them to become part of the college community, and advocating for the needs of students across the district. ASG's major responsibilities include appointing students to actively engage in campus-wide committees, participating in shared governance to provide student-centered perspectives about the development of college policies, adopting and overseeing the annual ASG budget, allocating funds for student-centered projects and initiatives, and providing resources and support that foster student engagement throughout the college.

The bimonthly meetings of ASG are called Student Senate and are open to all community members. Information about the ASG, its committees, and its workgroups is available on the ASG website. The ASG agendas, meeting minutes, and meeting information is available to the public on Engage.

Student Senate

The Student Senate is the body of the ASG that provides oversight of ASG business and serves to represent the diverse MiraCosta College student body. Some of these student leaders have prior experience in student government, and others join the team to develop their leadership skills and advocate for student interests. Each member gains valuable experience through exposure to the variety of requests and programs addressed by the Student Senate.

The following elected officers compose the Student Senate: President, Student Trustee, Vice President of Diversity, Equity, & Inclusion, Vice President of the San Elijo Campus, and Vice President of the Community Learning Center, as well as the Chair of the Inter-Club Council (ICC) who is elected through a separate election process through the ICC. Appointed positions in the Executive team include the Executive Vice President, Director of Finance, Director of Public Relations, Director of Legislative Affairs, and the Vice Chair of the Inter-Club Council. The Senate is also comprised of approximately 20 senators. Any

Student Support Programs & Services

interested student with a 2.0 grade point average or above and enrolled in at least five units each semester (summer not included) is eligible to seek an ASG office.

Emerging Leaders Institute

The Emerging Leaders Institute (ELI) is a not-for-credit certificate program dedicated to introducing MiraCosta College students to leadership styles that empower students to activate their individual strengths within their communities. The purpose of the program is to reflect on individual identity and strengths, recognize areas for change and growth within the community, and develop and practice leadership skills to advance such desired change. The goal is to foster leadership development for all students as they develop their skills to become prominent and well-prepared leaders in their community, on campus, and in their future careers. The ELI complements students' academic progress by teaching them skills and knowledge necessary for effective leadership. The program consists of a series of workshops in leadership skill development. After completing the program, students receive a leadership certificate. Since its conception in 1998, the ELI has served hundreds of students in teaching life and leadership skills. For more information, please visit miracosta.edu/leader.

Student Clubs and Campus Organizations

Testing Services

Oceanside, Room 3334: 760.795.6685
San Elijo, Room 1114: 760.944.4449, x7752

Community Learning Center (CLC), Room 312: 760.757.2121, x8841

Testing Services is responsible for helping students complete the placement process at MiraCosta College. Testing Services evaluates eligible high school transcript information for placement using multiple measures. Students who provide high school transcript information on their application will receive an automated placement shortly after application. For students without access to eligible high school transcript information or who wish to learn more about their options for English and math courses, MiraCosta's course placement tools (English Guided Self-Placement, ESL Guided Placement and Math Guided Self-Placement) are offered free of charge to MiraCosta students.

English, ESL, and math course placement tools are offered at the Oceanside Campus Testing Center, the San Elijo Campus Testing Center, and the CLC Campus Testing Center. Students may also request to have the tools assigned to their SURF Student Center to be completed online.

The course placements are open to students who have submitted an application for admission or who are currently enrolled. Acceptable photo identification is required.

Testing Services proctors the prerequisite challenge process for Spanish, Japanese, and Chemistry. These challenge processes are offered on a drop-in basis at all three campus locations.

Testing accommodations are available to students referred by Student Accessibility Services. MiraCosta College also serves as

a test center for the American College Testing Program (ACT) and PearsonVue GED test.

AB 705

Signed into law, Assembly Bill (AB) 705 requires California community colleges to maximize the probability that students will enter and complete transfer-level coursework in English and math within a one-year time frame. AB 705 requires that colleges use one or more of the following measures for placement into math and English courses:

- ▶ High school grade point average (GPA)
- ▶ High school coursework
- ▶ High school grades

For more information on AB 705-related placement policies at MiraCosta, visit miracosta.edu/testing.

Academic Proctoring Center

The Academic Proctoring Center (APC) provides a proctored test site for students enrolled in online courses at MiraCosta who have an on-campus testing requirement. In addition, the center proctors instructor-authorized makeup exams for special student circumstances. Students referred by Student Accessibility Services for testing with certain accommodations may also utilize this service. By individual arrangement, the Academic Proctoring Center also administers external examinations. Photo identification is required for all testing in the APC.

Transfer Center

Oceanside, Building 3700: 760.795.6880

www.miracosta.edu/student-services/transfercenter

The Transfer Center provides services that directly assist potential transfer students preparing for upper-division work at a four-year college or university. The center attempts to identify and encourage students who choose transfer as their educational goal. Advising sessions with university representatives and transfer workshops are among the services the center provides. (For transfer recommendations and important dates, see Transfer Center Services (p. 90) in the Transferring Coursework section of the catalog.)

Transfer Center faculty coordinate all University of California transfer admission guarantee programs, which are described in the Transferring Coursework (p. 93) section of the catalog. Counselors are available for all students who wish to have an individual student educational plan tailored to their personal goals. In addition, the center provides counseling for special programs, such as UniversityLink and the Honors Program.

Veterans Services

Oceanside, Building T100: 760.795.6750

www.miracosta.edu/vets

Veterans Services, located in Building T-100 on the Oceanside Campus, provides a place for military affiliated students to find resources on VA educational benefits, MiraCosta Student Services, and community organizations that are dedicated to assisting veterans and their family members. In addition, students can process paperwork and get their courses certified for GI Bill[®] benefits, including Montgomery and Post 9/11 GI Bill[®], Veteran Readiness & Employment (formerly Vocational Rehabilitation) and Chapter 35 – Dependent Education Assistance. The center also provides a place for students to relax, study, and meet with friends.

MiraCosta College is one of two schools in San Diego County that has a VetSuccess on Campus (VSOC) representative. The VSOC is an employee of the Department of Veterans Affairs who works in Veterans Services to assist students with support to pursue their educational and employment goals.

The Veterans Services team is committed to helping you achieve your academic goals. If we can provide additional information, please visit our offices or contact us.

Academic Programs & Services

The background of the page is a solid light blue color. Overlaid on this are several large, flowing, wavy shapes in various shades of blue, ranging from a very light sky blue to a medium cerulean. These shapes create a sense of movement and depth, resembling stylized waves or abstract brushstrokes. The overall aesthetic is clean, modern, and academic.

Academic Awards

President's List

The President's List honors students in good standing who achieve a high level of academic success at MiraCosta College. Students are eligible when they accomplish the following:

- ▶ Complete a minimum of 12 total graded units within a single regular semester.
- ▶ Earn a GPA of at least 3.5 in the courses taken within the single regular semester.

These students are acknowledged in the Commencement Program and their MiraCosta College transcript is notated.

President's Permanent Honor Roll

Students in good standing are eligible for the President's Permanent Honor Roll when they accomplish the following:

- ▶ Complete a minimum of 60 degree-applicable units at MiraCosta College.
- ▶ Qualify for placement on the President's List at least three semesters with a minimum cumulative MiraCosta College GPA of 3.5.
- ▶ Receive no grade lower than a "C" or "P." Courses repeated by academic renewal or course repetition are not excluded.

These students are acknowledged in the Commencement Program and their MiraCosta College transcript is notated.

Medal of Academic Merit

The Medal of Academic Merit is awarded each year to five students nominated by the faculty. Sponsored by the MiraCosta College Foundation, it is the college's highest academic honor. Eligibility information may be obtained by contacting the Scholarship Specialist at 760.795.6751. These students are acknowledged in the Commencement Program and receive a medal, and their MiraCosta College transcript is notated.

Contextualized Teaching Program

Oceanside: 760.757.2121 x6258

Contextualized teaching represents a range of ways to connect curriculum to learning that intentionally broadens and deepens students' experiences. The Contextualized Teaching Program encourages faculty to apply any of the following high impact practices in their classes.

Infusions

Infusions are small yet impactful ways to provide contexts for students. They are implemented in single courses by individual instructors.

The five areas of context that we encourage faculty to use for infusions are as follows:

- ▶ Careers
- ▶ Equity
- ▶ Community
- ▶ Global learning
- ▶ Interdisciplinary

Themes

These are independent courses with full context for themes connecting to the discipline. As students, choosing a major is exciting, but it can also bring many questions. Students can now choose Academic and Career Pathways, which are meta-majors and designed to help you decide if an area of study or a major is right for you. We also have Academic Success and Equity (ASE) programs that offer fully contextualized courses. To learn more about these classes and if they are a good fit for you, contact the Contextualized Teaching coordinator, Professor Thao Ha (tha@miracosta.edu).

Examples:

- ▶ ENGL 100 + ENGL 52: "ChildDevelopmentStart": Highly supported English for child development majors.
- ▶ ENGL 100 + ENGL 52: "HealthStart": Highly supported English for allied health majors.
- ▶ ENGL 201: "Composition, Coding, & Cyborgs: C^3": Critical thinking and composition for computer science majors.
- ▶ ENGL 100 & 201 for the Mana and Puente ASE programs.
- ▶ COUN 101 & 105 for the Mana, Puente, and Umoja ASE programs.
- ▶ MATH 64 & MATH 103 for the Umoja ASE program.

Learning Communities

Learning communities are two linked courses with overlapping themes and materials. Two (or more) instructors from different disciplines work with each other to connect the courses. Students take both courses as a cohort together. This is a great opportunity to take two classes with the same group of people and to have both of your instructors working together to help students make the connection between two classes (interdisciplinary learning). Examples at MiraCosta include the following:

- ▶ ENGL 100 + ENGL 52: "ChildDevelopmentStart": Highly supported English for child development majors.
- ▶ ENGL 100 + ENGL 52: "HealthStart": Highly supported English for allied health majors.
- ▶ ENGL 201: "Composition, Coding, & Cyborgs: C^3": Critical thinking and composition for computer science majors.
- ▶ ENGL 100 + COUN 101: "Sports and Success": A learning community for student athletes.

Cooperative Work Experience Education (Co-op)

Oceanside, Building 4700: 760.795.6772

www.miracosta.edu/careers

Co-ops are customized credit classes designed to help students develop and improve their workplace competencies while undertaking expanded responsibilities and learning new skills at work. Students learn how to establish and achieve workplace goals and to assess how their goals and behaviors contribute to their development as professionals.

Students working in jobs related to their major should enroll in Occupational Cooperative Work Experience Education courses, which are the courses numbered 299 in a variety of career and technical education disciplines. Students who are undecided about their major or who are working in a field unrelated to their major should enroll in the General Cooperative Work Experience Education course, WKEX 233. Both types of co-op courses help students learn how to achieve the knowledge, skills, and abilities they need for career success.

Students enrolled in any cooperative work experience education course are required to do the following:

- ▶ Attend two meetings with the instructor and supervisor at the student's work site during the semester.
- ▶ Work a minimum of 60 non-paid hours per unit or 75 paid hours per unit, for a maximum of 4 units per semester (occupational co-op only; 3 units is the maximum for general co-op).
- ▶ Develop and meet learning objectives, complete assignments, and document monthly hours worked.

Specific information about the Co-op Program is available on the Career Center website.

Distance Education

miracosta.edu/online

MiraCosta College offers classes and resources online to provide students with a flexible option for attaining success through superior educational opportunities and support services.

- ▶ Fully online classes at MiraCosta require all coursework and activities to be completed online. Classes offered *100 percent online* have no face-to-face requirements. Some of these classes do not have scheduled online meetings and are listed in SURF with a room location of **Online**. Other classes may include scheduled meetings and will be listed in SURF with the days and times of meetings, with a room location of **Zoom**.
- ▶ *Hybrid* classes at MiraCosta require both in-person and online activity. Some hybrid classes require regular meetings at a MiraCosta College campus while others require physical presence only for proctored exams.

Online classes comprise equivalent content and satisfy the same academic requirements as their on-campus counterparts.

The college provides a wide range of free online support services to assist **all** students, including online counseling and advising, online tutoring, online writing feedback from the Writing Center, live chats with college librarians, and technical

support through the Student Help Desk. The college provides a one-hour Student Orientation to Online Learning multiple times each semester, both in-person and online. Students can find links to all of these resources, as well as a schedule showing all 100 percent online and hybrid course sections being taught at MiraCosta, at miracosta.edu/online.

First Year Forward

The MiraCosta College First Year Forward (FYF) program provides support to recent high school graduates during their transition to MiraCosta College. FYF equips students with skills, knowledge, and resources to aid in their transition, thrive in their new academic environment, and plan for their post-college careers. Students in FYF receive guidance in defining educational and career goals, developing educational plans, and learning the tools to successfully navigate their first year. FYF provides dedicated academic counseling, support services, college and career courses, career planning assistance, peer mentoring, and co-curricular activities—all designed to ensure success in students' first year at the college and beyond. To learn more about FYF, visit miracosta.edu/fyf.

Honors Program

Oceanside, Student Center: 760.795.6878

About the Honors Program

www.miracosta.edu/student-services/honors-program

The Honors Program provides highly motivated students an opportunity for enriched academic experiences as well as engagement in an inclusive environment that promotes community and personal discovery. Successful completion of program outcomes may give students in the Honors Program a competitive edge in consideration for transfer admission to some four-year colleges and universities. Students interested in virtually every major can participate in the Honors Program while making progress toward graduation from MiraCosta College and transfer to a four-year institution. Honors students are guided by a Transfer Center counselor to establish an individualized education plan that best suits their particular educational and transfer goals.

Additionally, the Honors Program cultivates a heightened sense of community for its members by actively supporting social activities, learning groups, and cultural outings that build camaraderie and public service. The Honors Lounge located in the Student Center at the Oceanside Campus provides communal space for students to study, collaborate, and socialize.

Honors courses are designed to develop exceptional academic ability by providing challenging coursework through intensive instruction from outstanding faculty in small classes and individual contract experiences. These courses fulfill IGETC and CSU general education requirements and are offered every semester at both the Oceanside and San Elijo Campuses.

Academic Programs & Services

Of special note, students in the Honors Program have opportunities to present and publish their academic work at distinguished undergraduate research conferences in California.

The Honors Program at MiraCosta College is a certified member of the UCLA Transfer Alliance Program (TAP), closely coordinating our program outcomes with admission requirements for UCLA's College of Letters and Science.

The Honors Program is also a certified member of UC Irvine's "Transfer Honors" and "Honors to Honors" programs. At UC Irvine, honors students enjoy benefits such as priority registration, academic mentorship, library study rooms, and specialized research opportunities.

As an active member of the Honors Transfer Council of California, the Western Regional Honors Conference, and the National Honors Collegiate Council, the Honors Program enjoys other transfer partnerships with dozens of colleges and universities.

Honors students interested in leadership development may apply to become an Honors Navigator. Students carefully selected for this role serve as peer mentors or project leaders and participate in outreach efforts for the Honors Program.

Current Honors Curriculum

Any student may enroll in an honors course or seek an honors contract, and there is no additional cost to take honors coursework or participate in the Honors Program.

Complete at least 15 units from the following list of courses:

ACCT 201H	Financial Accounting (Honors)
ACCT 202H	Managerial Accounting (Honors)
ADM 100H	Introduction to the Administration of Justice (Honors)
ANTH 101H	Biological Anthropology (Honors)
ANTH 101LH	Biological Anthropology Lab (Honors)
ANTH 102H	Cultural Anthropology (Honors)
ANTH 105H	Evolution of Human Behavior (Honors)
ANTH 190H	Primate Behavior and Ecology (Honors)
ART 159H	Pre-Columbian Art (Honors)
ART 260H	History of Modern Art (Honors)
BIO 204H	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology (Honors)
BIO 210H	Human Anatomy (Honors)
BTEC 108H	Biomanufacturing: From Gene to Product (Honors)
BTEC 110H	Basic Techniques in Biotechnology (Honors)
BTEC 180H	Biostatistics (Honors)
BUS 120H	Introduction to Business (Honors)
BUS 140H	Legal Environment of Business (Honors)

BUS 204H	Business Statistics (Honors)
BUS 290H	Business Communication (Honors)
CHEM 115H	Introductory General Chemistry: For Allied Health Majors (Honors)
CHEM 150H	General Chemistry I: For Science Majors (Honors)
CHEM 151H	General Chemistry II: For Science Majors (Honors)
CHEM 210H	Organic Chemistry I: For Science Majors (Honors)
CHEM 211H	Organic Chemistry II: For Science Majors (Honors)
DNCE 100H	Dance Appreciation (Honors)
DNCE 101H	Dance History (Honors)
DNCE 105H	Dance Cultures of the World (Honors)
EART 106H	Earth and Space Science (Honors)
ENGL 100H	Composition and Reading (Honors)
ENGL 201H	Critical Thinking, Composition, and Literature (Honors)
ENGL 202H	Critical Thinking and Composition (Honors)
FILM 101H	Introduction to Film (Honors)
FILM 111H	Film History I: 1880-1945 (Honors)
FILM 112H	Film History II: 1945-Present (Honors)
FILM 211H	Identity and Film: Race, Class, Gender and Sexuality (Honors)
FILM 212H	Women and Film: Representation and Impact (Honors)
GEOL 101H	Physical Geology (Honors)
HIST 100H	World History to 1500 (Honors)
HIST 101H	World History Since 1500 (Honors)
HIST 102H	History of the Modern Middle East (Honors)
HIST 103H	Early European History and Culture (Honors)
HIST 104H	Modern European History and Culture (Honors)
HIST 105H	History of England (Honors)
HIST 106H	History of Technology (Honors)
HIST 110H	United States History to 1877 (Honors)
HIST 111H	United States History Since 1877 (Honors)
HIST 113H	American Military History (Honors)
HIST 115H	Women in American History (Honors)
HIST 116H	History of the Americas to 1830 (Honors)
HIST 117H	History of the Americas Since 1830 (Honors)
HIST 141H	Mexican American History Through 1877 (Honors)
HIST 142H	Mexican American History Since 1877 (Honors)

HIST 145H	African American History to 1877 (Honors)
HIST 146H	African American History Since 1877 (Honors)
HUMN 101H	Introduction to the Arts (Honors)
LIBR 201H	Media & Information Literacy (Honors)
LIT 250H	American Literature: First Contact Through the Civil War (Honors)
LIT 251H	American Literature: Mid-1800s to the Present (Honors)
LIT 260H	English Literature Through the 18th Century (Honors)
LIT 261H	English Literature: Romantic to Contemporary (Honors)
LIT 265H	Shakespeare Studies (Honors)
LIT 270H	World Literature to 1600 (Honors)
MATH 131H	Pre-Calculus II: Trigonometry and Analytic Geometry (Honors)
MATH 150H	Calculus and Analytic Geometry I (Honors)
MATH 155H	Calculus and Analytic Geometry II (Honors)
MATH 226H	Discrete Mathematics (Honors)
MATH 260H	Calculus and Analytic Geometry III (Honors)
MATH 265H	Differential Equations (Honors)
MATH 270H	Linear Algebra (Honors)
MUS 119H	Jazz History (Honors)
NUTR 100H	Nutrition Today (Honors)
OCEA 101H	Introduction to Oceanography (Honors)
PHIL 101H	Introduction to Philosophy: Knowledge and Reality (Honors)
PHIL 110H	Introduction to Logic (Honors)
PHSN 108H	Introduction to Climate Change (Honors)
PHYS 111H	Introductory Physics I (Honors)
PHYS 112H	Introductory Physics II (Honors)
PHYS 151H	Principles of Physics I (Honors)
PHYS 152H	Principles of Physics II (Honors)
PHYS 253H	Principles of Physics III (Honors)
PLSC 101H	Introduction to Political Science (Honors)
PSYC 101H	General Psychology (Honors)
PSYC 104H	Statistics for Behavioral Science (Honors)
PSYC 121H	Human Development (Honors)
RELG 101H	World Religions (Honors)
SOC 101H	Introduction to Sociology (Honors)

Program Admission

Any student can join the Honors Program. MiraCosta College welcomes students who share a passion for learning to

participate in our Honors Program activities and take honors coursework.

There is no additional cost to join the Honors Program or enroll in honors coursework.

Steps to join the Honors Program are outlined on our website, miracosta.edu/student-services/honors-program. Students who wish to learn more about the Honors Program are encouraged to call or email the Honors Office (honors@miracosta.edu).

Program Certifications

Honors Certifications	MiraCosta College Honors Scholar Certification	UCLA Transfer Alliance Program Certification	UC Irvine "Honors to Honors" Certification	UC Riverside "Honors" Certification
Minimum cumulative GPA in degree applicable coursework*	3.25	3.5	3.7	3.25
Completion of 15 units of honors coursework**	yes	yes	yes	yes
Participation in 20 hours of honors enrichment activities (e.g., OMNI, events, workshops)	yes	n/a	yes	yes
Involvement for two semesters in MCC Honors Program (honors coursework or enrichment activities)	yes	n/a	yes	yes
Enrollment in honors courses for two semesters at MCC	n/a	yes	yes	yes
Transfer-focused education plan on file with Transfer Center	yes	n/a	yes	yes
TAP-focused education plan on file with Transfer Center	n/a	yes	n/a	n/a
Demonstrated responsible and ethical behavior	yes	yes	yes	yes

n/a = not applicable

* Up to two honors courses may be taken Pass/No Pass.

** Up to two honors courses from other colleges may be included in unit count.

For a complete description of the Honors Program, its activities, and its program certification options, please contact the Honors Office or visit the website.

International Students & Study Abroad

Institute for International Perspectives (IIP)

Oceanside, Building 3400: 760.795.6897

www.miracosta.edu/iip

The Institute for International Perspectives (IIP) endeavors to internationalize MiraCosta College by supporting international students, administering study abroad programs, and promoting international cultural activities. The IIP supports international students enrolled on an F-1 visa in the college's academic programs and the full-time intensive English Language Institute (ELI) program offered through Community Services. This school is authorized under federal law to enroll nonimmigrant alien students. International students with an F-1 or M-1 visa must contact the IIP and review the admission requirements found under the Admissions & Enrollment section of this catalog before enrolling at MiraCosta.

Academic Programs & Services

The IIP also supports international study programs. Study abroad options may include semester-long and summer programs. Study abroad at MiraCosta College offers only courses approved in accordance with Title 5 of the California Code of Regulations and taught by community college faculty meeting the minimum qualifications for providing instruction.

Internship Studies Program

Oceanside, Building 4700: 760.795.6772

www.miracosta.edu/careers

Internships are designed to provide MiraCosta College students with workplace experience and 21st century skills. The Internship Studies Program benefits students, faculty, and the academic disciplines by linking classroom learning to the work world, promoting the development of professional relationships, and adding significant work experience to students' resumes. The program offers business, industry, and organizations the talents and energy of students who not only contribute to workforce development but also strengthen the link between the educational and business communities.

Interns are required to obtain a recommendation from a faculty member in the discipline in which they are seeking the internship. Interns must have been enrolled in the faculty member's class and must have performed well. Guidelines for obtaining faculty recommendations vary by discipline and are available in the Career Center.

Once students obtain an internship placement, a customized class is created that requires students to do the following:

- ▶ Attend two meetings with the instructor and supervisor at the work site during the semester.
- ▶ Work a minimum of 60 non-paid hours per unit or 75 paid hours per unit, for a maximum of 3 units per semester.
- ▶ Develop and meet learning objectives, complete assignments, and document monthly hours worked.

Internships are available in all disciplines and are identified with 292 as their course number.

Library & Information Hub

Oceanside, Building 1200: 760.795.6715

San Elijo, Building 100: 760.634.7850

Community Learning Center, Learning Commons, Building 100: 760.795.8733

library.miracosta.edu

MiraCosta's libraries provide extensive resources and services for students, faculty, and staff.

Information and instructional services include the following:

- ▶ Research assistance available in-person and by email, online chat, text, and phone.
- ▶ Library instruction geared to the needs of specific classes upon request.
- ▶ Library research workshops offered on-ground and online.
- ▶ Online Library Science credit courses (LIBR 101, LIBR 201/LIBR 201H) that are UC/CSU transferable.
- ▶ Reciprocal borrowing privileges with the Palomar College and Cal State San Marcos libraries.
- ▶ Group study rooms.
- ▶ Academic reserve collections in a variety of print, audio-visual, and digital formats.
- ▶ Instructional exhibits and displays of student projects.
- ▶ Interlibrary loan for books and periodical articles.

Information resources include the following:

- ▶ More than 33,000 books, 438,000 e-books, 5,000 DVDs, and 120,000 online videos.
- ▶ Over 100 online research databases covering a variety of disciplines, such as the arts and humanities, nursing and health, the STEM fields, social sciences, and career education.
- ▶ Access to thousands of magazines, newspapers, and scholarly journals through full-text online databases, such as EBSCOhost, JSTOR, and ScienceDirect.
- ▶ Remote access for students, staff, and faculty to all library databases (requires SURF ID and password).
- ▶ Technology equipment for loan including laptops, mobile hotspots, and calculators.
- ▶ DVD players, as well as adaptive technology devices.
- ▶ Hundreds of computers featuring a range of software applications that support college courses.
- ▶ Printing and scanning equipment.

Library and Information Hubs are open the following days and times:

Oceanside Hub: Monday–Thursday, 8 a.m.–7 p.m.; Friday, 8 a.m.–12 p.m.

San Elijo Hub: Monday–Thursday, 9 a.m.–3 p.m.

Community Learning Center: Monday–Thursday, 9 a.m.–1 p.m.

The libraries are closed on legal or administrative holidays. During semester breaks, the libraries may be closed or on a special schedule. Changes in hours are posted on the library webpage and in each library as necessary, and they are also recorded at 760.795.6717.

Mana

Mana (a concept, drawn from the cultures of Melanesia, Micronesia, and Polynesia, describing a powerful, miraculous force) is a program that builds a community among Pacific Islander students that offers many support services toward academic goals. Mana is a program that provides students with a platform to higher education while offering academic support. Mana is a learning community in which students in the program take courses together that are linked to enhance students' experiences and make connections between courses, instructors, and their classmates. All Mana students benefit from having designated academic and financial aid counselors, university visits, and other opportunities for student leadership.

For more information visit: <https://miracosta.edu/student-services/student-equity/mana/index.html>

Phi Theta Kappa Honor Society

Oceanside Campus: 760.757.2121, x6890
Student Life & Leadership

The Phi Theta Kappa (PTK) Honor Society was established in 1918 to acknowledge and promote the academic achievements of two-year college students. Membership in PTK provides opportunities for individual growth and development through participation in honors, leadership, service, and fellowship programming. With a membership of more than one million students throughout 1,250 worldwide chapters, PTK is the largest honor society in American higher education. The society is constantly growing, and approximately 100,000 students are inducted annually.

Each year Phi Theta Kappa selects a study topic intended to unite faculty and students across disciplines. The theme provides a focal point for academic work and service activities.

Membership benefits include the PTK diploma seal, the privilege of wearing the honors stole and tassel at graduation, a myriad of scholarships (more than \$90 million), the opportunity to travel to academic conferences throughout the year, and the honor of becoming an alumni member after graduation. Transcripts sent to four-year institutions will identify the student as a member of PTK.

To qualify for membership to Phi Theta Kappa, Alpha Chi Lambda Chapter at MiraCosta College, students must have the following:

- ▶ Current enrollment at MiraCosta College at the time of application
- ▶ Successful completion of 12 or more transferable units at MiraCosta College
- ▶ A cumulative grade point average of 3.5 or higher at MiraCosta College.

PUENTE Program

Oceanside, Building 3700: 760.757.2121, x6293

www.miracosta.edu/puente

The PUENTE Program was originally created to increase the number of Mexican-American/Latinx students transferring to four-year colleges and universities. It is now open to all students who want to succeed academically, gain recognition as leaders, and graduate from four-year universities.

PUENTE is a year-long program that includes intensive writing instruction, one-on-one work with a counselor to develop an educational plan, work with community-based mentors, and educational and cultural enrichment activities. PUENTE scholars enroll in designated sections of ENGL 100 and COUN 100 in the fall and ENGL 201 and COUN 105 in the spring. PUENTE scholars remain fully supported by the program until they successfully transfer to a four-year university or college.

RAFFY

Students who have experienced life in a foster home or group home often need extra support and resources to ensure they succeed in college. Due to life experiences, such as being removed from one's home, exploitation, and unstable environments, former foster youth are the least likely population to attend and even less likely to complete a college education.

But their chances greatly improve if they make their way to MiraCosta College's Resources and Assistance for Former Foster Youth (RAFFY) program. RAFFY serves 60-to-70 students each year. It is a powerful counseling and networking program designed to assist students who have aged out of the foster care system. The program features specialized academic advising, personal counseling, social services referrals, financial assistance, and mentoring. Every 6 months the RAFFY program produces graduates who have earned a certificate of achievement or associate degree or satisfied the requirements to transfer to a university. RAFFY students have transferred to CSUSM, SDSU, UCSD, USC, UCLA, and National University, to name just a few destinations.

Learn more at: <https://miracosta.edu/student-services/student-equity/raffy.html>

Service Learning Program

Oceanside, Building 3300: 760.795.6616

Email: servicelearning@miracosta.edu

www.miracosta.edu/student-services/servicelearning

Academic Programs & Services

Service Learning

The Service Learning Program partners academic instruction with experiential community service. Each semester approximately 60 courses at MiraCosta offer in person and virtual service opportunities. Students work with their instructors and the Service Learning and Volunteer Center to find meaningful service opportunities (i.e., experiential learning opportunities) in the community that relate to what they are learning in the classroom. Placements include youth programs, conservation efforts, programs that address homelessness and hunger, senior services, child development programs, social services organizations, museums and arts programs, after school programs, and literacy programs as well as many other opportunities within K-12 grade public schools and non-profit organizations. Students can earn a certificate of participation in Service Learning when they complete 15 hours at one site, for one course. For a list of approved community partners, go to the Service Learning Community Partners List website at <http://hub.miracosta.edu/servicelearningpartners/>. Students can also take advantage of the Volunteer Certificate of Achievement offered through Sociology to jump start their academic and career path.

Through these community placements, students apply classroom knowledge to everyday situations and real problems. They gain practical experience that can help them explore or confirm possible career paths while earning documented work experience. Students are encouraged to mention their service learning experiences when they apply for scholarships or complete transfer applications, professional portfolios, or resumes. In addition, students become more civically aware and engaged as they discover the value and power of their own voice. Students have reported that these experiences affirm their career paths, provide job opportunities, and increase their cultural and social capital. Students who are pursuing careers in education, public health/nutrition, the non-profit sector, social work, government, racial justice, or any service-minded career should consider taking courses with instructors who offer service learning. For more information about the program, including its courses and community partners, students should visit the program's website.

Volunteer Program

Students who are not enrolled in service learning courses can engage with their campus or local community to earn volunteer hours. These experiences are often used to explore career paths, gain hands-on life skills, earn hours for scholarships, or add valuable experiences to their transfer applications. Students can earn two certificates of participation: MiraCosta Service Award (50-99 hours) or MiraCosta Presidential Service Award (100+ hours). For additional one-time volunteer opportunities, students can visit the monthly calendar of volunteer opportunities or check out the list of local community organizations for ongoing service opportunities at www.miracosta.edu/student-services/servicelearning/.

Benefits of Service Learning and Volunteer Experiences

- ▶ Apply course content through "real world" experiences.
- ▶ Increase social capital and cultural humility.

- ▶ Grow in your own personal development and increase self-awareness of civic responsibility.
- ▶ Apply these experiences to your resume, transfer applications, and scholarships.
- ▶ Increase awareness of your community and its resources.
- ▶ Explore and confirm career paths, and network with community professionals and field experts.

Umoja Community

www.miracosta.edu/umoja

Umoja, a Kiswahili word meaning unity, is committed to enhancing the cultural and educational experiences and increasing the persistence and retention rates of African American and other students. The MiraCosta College Umoja Community actively serves and promotes success for all students through a curriculum responsive to the legacy of the African and African American Diasporas. The Umoja Community seeks to educate the whole student: mind, body, and spirit. Informed by an ethic of love and its vital power, Umoja deliberately engages students as full participants in the construction of knowledge and critical thought.

Students in the program receive career, academic, and personal counseling, and they experience curriculum and teaching practices that empower and increase self-efficacy.

UPRISE

Undocumented People Rise in Solidarity and Empowerment (UPRISE) is a program to bolster academic success, enhance professional opportunities, improve personal wellness, strengthen institutional support, and increase allies for undocumented students and their families in North County San Diego. UPRISE offers free services such as legal consultations, emergency safety planning for immigrants, community resources, peer networking, academic and career counseling, entrepreneurship training, and mental health counseling/support groups to students and loved ones.

For more information visit: miracosta.edu/student-services/student-equity/uprise

Degrees & Certificates

Degree & Certificate Programs

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Accounting (ACCT) (p. 102)		✿	🎓	
Accounting Assistant	★			
Bookkeeping		✿	🎓	
Computerized Accounting Applications	★			
Income Tax Preparer	★			
Income Tax Professional	★			
Payroll Professional	★			
Professional Accounting: Preparing for the CPA Exam		✿		
Administration of Justice (ADM) (p. 107)				
Administration of Justice for Transfer			🎓	
Law Enforcement		✿	🎓	
Anthropology (ANTH) (p. 112)				
Anthropology for Transfer			🎓	
Art (ART) (p. 116)				
Art History for Transfer			🎓	
Digital Photography		✿	🎓	
Museum Studies		✿		
Studio Arts for Transfer			🎓	
Automotive Technology (AUTO) (p. 131)		✿	🎓	
Automotive Alignment, Brakes, and Suspension	★			
Automotive Electronics	★			
Automotive Electronics, Computers, and Emissions and/or HVAC		✿		
Automotive Quick Service Assistant	★			
Automotive Repair: Drive- Train Specialist	★			
Automotive/Motorcycle Maintenance and Light Repair		✿		
Basic Engine Performance	★			
California Smog Check Technician		✿		
Electric Vehicle, Hybrid Vehicle, and Engine Performance	★			
Electric, Hybrid, and Alternative-Fuel Vehicle Technician		✿		
Master Technician		✿		
Biology (BIO) (p. 138)				
Biology for Transfer			🎓	
Biotechnology (BTEC) (p. 143)				
Biomanufacturing		✿	🎓	🏛️

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Bioprocess Technology		✱		
Laboratory Skills		✱		
Research and Development		✱	🎓	
Business Administration (BUS) (p. 153)	★			
Business Administration 2.0 for Transfer			🎓	
Business Administration for Transfer			🎓	
Business Fundamentals	★			
Business Quick Startup	★			
Entrepreneurship		✱	🎓	
Entrepreneurship Fundamentals	★			
Management		✱	🎓	
Marketing		✱	🎓	
Project Management	★			
Retail Assistant	★			
Retail Management		✱	🎓	
Social Entrepreneurship	★			
Social Media for Business		✱		
Supply Chain Management (SCM)		✱	🎓	
California State University General Education (CSU GE)		✱		
Child Development (CHLD) (p. 168)				
Assistant Teacher	★			
Associate Teacher		✱	🎓	
Child and Adolescent Development for Transfer			🎓	
Early Childhood Education for Transfer			🎓	
Early Intervention and Inclusion		✱		
Master Teacher		✱	🎓	
Site Supervisor		✱	🎓	
Teacher		✱	🎓	
Communication (COMM) (p. 177)				
Communication Studies for Transfer			🎓	
Computer Science (CS) (p. 179)				
Computer Science for Transfer			🎓	
Game Developer	★			
Mobile Application Development	★			
Software Development		✱	🎓	
Computer Studies & Information Technology (CSIT) (p. 183)				
Business Information Worker (BIW)		✱	🎓	
Business Productivity Software Applications		✱	🎓	

Degrees & Certificates

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Business Productivity Software Applications Essentials	★			
Certiport IC3 Digital Literacy	★			
Certiport Microsoft Office	★			
CompTIA IT Core Essentials	★			
Cybersecurity		✱	🎓	
Emerging Technologies	★			
Information Technology		✱	🎓	
Internet and E-Commerce		✱	🎓	
Management Information Systems (MIS)		✱	🎓	
Systems Administration		✱	🎓	
Tech Support		✱	🎓	
Dance (DNCE) (p. 195)			🎓	
Dance Instructor		✱		
Design (DESN) (p. 207)				
3D Modeling and Prototyping	★			
Applied Design	★			
Architectural Design		✱	🎓	
AutoCAD Certified User	★			
Computer-Aided Drafting		✱	🎓	
Computer-Aided Drafting and Design		✱	🎓	
Construction Management	★			
Drafting Fundamentals	★			
Engineering Design Graphics	★			
Engineering Technology		✱	🎓	
Mechanical Design		✱	🎓	
SolidWorks Certified User	★			
Dramatic Arts (DRAM) (p. 215)			🎓	
Design and Technology		✱	🎓	
Theatre Arts for Transfer			🎓	
English (ENGL) (p. 223)				
English for Transfer			🎓	
Film (FILM) (p. 228)				
Film Studies			🎓	
Film, Television, and Electronic Media for Transfer			🎓	
French (FREN) (p. 232)		✱	🎓	
Gerontology (GERO) (p. 238)			🎓	
Optimal Aging and Older Adulthood	★			
Health (HEAL) (p. 240)				
Public Health Science for Transfer			🎓	
History (HIST) (p. 242)				
History for Transfer			🎓	
Horticulture (HORT) (p. 251)				
Irrigation Technology	★			
Landscape Architecture		✱	🎓	
Nursery/Horticulture Crop Production		✱	🎓	

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Pest Control Advisor		☼	🎓	
Sustainable Agriculture		☼	🎓	
Sustainable Landscape and Turf Management		☼	🎓	
Viticulture and Enology		☼	🎓	
Hospitality (HOSP) (p. 257)				
Food, Beverage, and Restaurant	★			
Guest Services and Concierge	★			
Hospitality Management		☼	🎓	
Hospitality Management for Transfer			🎓	
Meeting, Convention, and Event Management	★			
Restaurant Management		☼	🎓	
Intersegmental General Education Transfer Curriculum (IGETC)		☼		
Interdisciplinary Studies (INTR) (p. 262)				
Global Studies		☼		
Italian (ITAL) (p. 264)			🎓	
Italian Language and Culture		☼		
Japanese (JAPN) (p. 266)		☼	🎓	
Kinesiology (KINE) (p. 269)				
Personal Fitness Trainer		☼		
Yoga Instructor (200 Hours)	★			
Yoga Instructor (300 Hours)		☼		
Liberal Arts (p. 275)				
Applied Health, Nutrition and Kinesiology			🎓	
Arts and Humanities			🎓	
Business and Technology			🎓	
Creative and Applied Arts			🎓	
Elementary Subject Matter Education			🎓	
Mathematics and Sciences			🎓	
Multicultural Studies			🎓	
Social and Behavioral Sciences			🎓	
Mathematics (MATH) (p. 294)				
Mathematics for Transfer			🎓	
Media Arts & Technologies (MAT) (p. 300)				
Digital Media Foundations	★			
Digital and Print Publishing	★			
Graphic Communication	★			
Graphic Design		☼	🎓	
Video and Animation	★			
Video and Media Design		☼		
Web Design	★			
Web Development and Design		☼	🎓	

Degrees & Certificates

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Medical Administrative Professional (MAP) (p. 307)				
Medical Insurance and Coding Specialist	★			
Medical Office Clinical and Administrative Professional		✿		
Medical Office Professional		✿	🎓	
Medical Office Specialist	★			
Patient Care Coordinator		✿		
Music (MUS) (p. 311)			🎓	
Music Technology (MTEC) (p. 323)	★	✿	🎓	
Business of Music and Media		✿		
Nursing (NURS) (p. 327)				
Certified Nursing Assistant	★			
Home Health Aide	★			
Licensed Vocational Nursing		✿	🎓	
Registered Nursing (ADN)			🎓	
Registered Nursing (LVN-to-RN)			🎓	
Nutrition (NUTR) (p. 334)				
Fitness Nutrition Specialist	★			
Nutrition and Dietetics for Transfer			🎓	
Political Science (PLSC) (p. 345)				
Law, Public Policy, and Society for Transfer			🎓	
Political Science for Transfer			🎓	
Psychology (PSYC) (p. 347)			🎓	
Human Development			🎓	
Psychology for Transfer			🎓	
Research Fundamentals	★			
Volunteer Services	★			
Sociology (SOC) (p. 357)				
Research Fundamentals	★			
Social Justice Studies for Transfer: African American Studies			🎓	
Social Justice Studies for Transfer: Gender Studies			🎓	
Social Justice Studies for Transfer: LGBTQ			🎓	
Social Justice for Transfer: Chicano Studies			🎓	
Sociology for Transfer			🎓	
Volunteer Services	★			
Social Work and Human Services (SWHS) (p. 356)				
Social Work and Human Services for Transfer			🎓	
Spanish (SPAN) (p. 365)		✿		
Spanish for Transfer			🎓	

Instructional Services

Oceanside, Building 1000: 760.795.6812

<https://www.miracosta.edu/academics/office-of-instruction/index.html>

Instructional Services is responsible for the administration of the various educational programs offered by MiraCosta College. With the assistance of department chairs, deans, and faculty, the college's instructional programs are proposed, developed, and implemented for the primary purpose of providing opportunities for students to reach their desired educational goals. Such goals include earning degrees, certificates of achievement and proficiency in many career education areas, and diplomas and certificates in the noncredit program for adults seeking to finish basic or high school education.

Associate Degree Requirements

Associate in Arts and Associate in Science Degrees

The awarding of a degree at MiraCosta represents more than an accumulation of units. It also symbolizes a successful attempt on the part of the college to lead students through patterns of learning experiences designed to develop certain capabilities and insights. Students who graduate with a degree from MiraCosta possess sufficient depth in some field of knowledge to contribute to lifetime interest and career pursuit.

The associate degree is designed to prepare students either for transfer to a four-year college or university or for immediate employment. Although the associate degree recognizes the completion of lower-division course requirements, it does not guarantee admission to a four-year college or university. The academic and career education disciplines for which MiraCosta offers an associate degree are identified on the Degrees & Certificate Programs table (p. 62).

Requirements

Students who wish to earn an associate degree from MiraCosta must meet the following requirements (per MCCD Board Policy/Administrative Procedure 4100).

Major & Grades

Students must complete a minimum of 18 units in a chosen major or area of emphasis and complete each course with a "C" or better (or a "P" if the course is taken on a "pass/no pass" basis). Courses completed with a C- from U.S. regionally accredited colleges may be used to complete this requirement. Students may use courses to satisfy both a general education and a major requirement.

General Education

Students have three general education patterns from which to choose but are strongly encouraged to consult with a MiraCosta counselor for assistance in selecting the general

education pattern that is most appropriate for their educational goal. **Note: Students should refer to the Articulation or Transfer Center webpages for the most current list of courses that have been approved for the Plan B and Plan C general education patterns.**

- ▶ **Plan A:** MiraCosta College General Education Course Requirements (Plan A (p. 69)).*
- ▶ **Plan B:** Certified California State University General Education (CSU-GE) Breadth Course Requirements (Plan B (p. 76)).
- ▶ **Plan C:** Certified Intersegmental General Education Transfer Curriculum (IGETC) Course Requirements (Plan C (p. 82)).

While a course might satisfy more than one general education requirement, it may not be counted more than once for these purposes. However, courses may be used to satisfy both a general education and a major requirement.

The MiraCosta College Core Competencies (p. 10) identify the learning outcomes students can expect to gain from their general education coursework.

**The Plan A general education requirement may be met by submitting a transcript verifying completion of a bachelor's degree from a United States regionally accredited college or university.*

Units

Students must complete a minimum of 60 degree-applicable units of credit.

Grade Point Average (GPA)

Students must maintain a minimum GPA of 2.0 in all degree applicable units attempted at MiraCosta, as well as a combined 2.0 grade point average including all work transferred to the college. A grade of "A," "B," "C," or "P" is required for all courses to be counted toward an associate degree major or area of emphasis; however, courses completed with a C- from U.S. regionally accredited colleges may be used to complete this requirement.

Students may need a higher GPA for admission to a University of California campus or to UC/CSU impacted programs and majors than is required for MiraCosta's associate degree.

Residency

Complete a minimum of 12 degree applicable units in residence at MiraCosta College.

Competencies

All students seeking an associate degree must demonstrate competence in reading, written expression, and mathematics. However, achievement of minimum competency does not mean students have met coursework requirements for the associate degree.

Note: These competencies are also met when students complete either the CSU GE-Breadth (Plan B (p. 76)) or IGETC (Plan C (p. 82)) general education pattern or submit an official transcript verifying completion of a bachelor's degree from a U.S. regionally accredited college or university.

Degrees & Certificates

Reading

Reading competency must be demonstrated by presenting proof of achieving **one** of the following:

- ▶ A score of 3, 4, or 5 on a College Board Advanced Placement English Examination.
- ▶ A score of 5 or better on the International Baccalaureate Higher Level English Test.
- ▶ Completion of one of the following with a minimum grade of "C" or "P": READ 100; ENGL 100, ENGL 100H, ENGL 201, ENGL 201H, ENGL 202, ENGL 202H; or equivalent.

Writing

Writing competency must be demonstrated by completing **one** of the following:

- ▶ Present proof of achieving one of the following minimum test scores:
 - ▶ A score of 3, 4, or 5 on a College Board Advanced Placement English Examination.
 - ▶ A score of 5 or better on the International Baccalaureate English Language A1 Higher Level Examination.
- ▶ Complete one of the following with a minimum grade of "C" or "P" at MiraCosta or an equivalent course at another regionally accredited college: ENGL 100, ENGL 100H, ENGL 201, ENGL 201H, ENGL 202, ENGL 202H.

Mathematics

Math competency must be demonstrated by completing **one** of the following options:

- ▶ Pass a MiraCosta mathematics course numbered 64 through 270 or equivalent with a minimum grade of "C" or "P."
- ▶ Achieve a qualifying score on a California community college mathematics assessment exam that gives clear placement into a math course that requires intermediate algebra as a prerequisite or has a traceable prerequisite to intermediate algebra.
- ▶ Pass a MiraCosta College course approved for Plan A, Area A2 that has the prerequisite of elementary algebra.
- ▶ Present proof of achieving one of the following minimum test scores:
 - ▶ A passing score on the College Board Mathematics Achievement Test (500 Level I; 600 Level II).
 - ▶ A score of 3, 4, or 5 on a College Board Advanced Placement Math Examination.
 - ▶ A minimum score of 50 on a College-Level Examination Program Subject Exam (College Algebra, Pre-calculus, or Calculus).
 - ▶ A score of 4 or better on an International Baccalaureate Mathematics Examination.

Mathematics competency can also be met through the use of multiple measures established by the college, whereby a student is placed into a mathematics course numbered MATH 102 or above or is determined to have previously completed coursework comparable to a MiraCosta College course that is designated as meeting the mathematics competency requirement.

Multiple Degrees

Students who are in progress to complete or who have previously been awarded a MiraCosta associate degree may be qualified for an additional associate degree under the following circumstances:

- ▶ The additional degree represents a new major.
- ▶ Each degree has at least 12 mutually exclusive units. Note: This requirement does not apply to Associate Degrees for Transfer.
- ▶ All degree requirements have been met including residency, with at least 12 units completed in the new major, at MiraCosta College.

Students may earn multiple degrees concurrently provided the above criteria is met.

(Source: MCCD Administrative Procedure 4100.)

Associate Degree for Transfer Requirements

Developed as a result of the Student Transfer Achievement Reform (STAR) Act, the Associate Degree for Transfer (ADT) is designed to provide students with a clear pathway to a California State University (CSU) major and baccalaureate degree. Students who wish to earn an Associate in Science for Transfer (AS-T) or Associate in Arts for Transfer (AA-T) from MiraCosta College must meet the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete a minimum of 18 units in an approved ADT major.
- ▶ Complete all courses required in the major with a "C" or "P" or better. Courses completed with a C- from U.S. regionally accredited colleges may be used to complete this requirement.
- ▶ Complete the certified CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

California community college students who are awarded an ADT are guaranteed priority admission with junior status to a participating CSU campus and given priority admission to their local CSU campus. MiraCosta students earning an ADT or completing traditional admission requirements have local priority admission to California State University San Marcos. To view which CSU campuses accept these degrees, please visit the I Can Go to College website at <https://icangotocollege.com/associate-degree-for-transfer?sitekey=adegree&sitekey=adegree>.

Priority admission does not guarantee admission to a specific major. Participating CSU campuses determine that the degree awarded by MiraCosta is similar to a degree that can be awarded at that campus. This may include an emphasis or

option within the degree or another degree program. Once admitted, students are required to complete only 60 additional prescribed units to qualify for a similar baccalaureate degree. Students are encouraged to consult with a MiraCosta counselor to determine which CSU campuses are participating in this program and which degrees are considered similar on those campuses.

Courses from other U.S. regionally accredited colleges will be reviewed for placement on an ADT based on existing C-ID numbers and/or course comparability to the transfer model curriculum template developed by the California Community Colleges Chancellor's Office.

The associate degree for transfer may not be the best option for students intending to transfer to a particular CSU campus, the University of California, or a private or out-of-state university. Students are encouraged to consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer and to develop an educational plan designed to meet their educational goals.

Associate Degree for Transfer Majors

MiraCosta College offers the following ADT majors:

- ▶ Administration of Justice (p. 108)
- ▶ Anthropology (p. 113)
- ▶ Art History (p. 116)
- ▶ Biology (p. 138)
- ▶ Business Administration (p. 153)
- ▶ Business Administration 2.0 (p. 153)
- ▶ Child and Adolescent Development (p. 168)
- ▶ Communication Studies (p. 177)
- ▶ Computer Science (p. 180)
- ▶ Early Childhood Education (p. 168)
- ▶ English (p. 224)
- ▶ Film, Television, and Electronic Media (p. 228)
- ▶ History (p. 243)
- ▶ Hospitality Management (p. 257)
- ▶ Law, Public Policy, and Society (p. 345)
- ▶ Mathematics (p. 294)
- ▶ Nutrition and Dietetics (p. 334)
- ▶ Political Science (p. 345)
- ▶ Psychology (p. 348)
- ▶ Public Health Science (p. 240)
- ▶ Social Justice Studies: African American Studies (p. 358)
- ▶ Social Justice Studies: Chicana and Chicano Studies (p. 358)
- ▶ Social Justice Studies: Gender Studies (p. 358)
- ▶ Social Justice Studies: LGBTQ Studies (p. 358)
- ▶ Social Work and Human Services (p. 356)
- ▶ Sociology (p. 358)
- ▶ Spanish (p. 365)
- ▶ Studio Arts (p. 116)
- ▶ Theatre Arts (p. 215)

Bachelor's Degree Requirements

The bachelor's degree in biomanufacturing builds upon the associate degree program in biomanufacturing, allowing

students who complete the associate degree or equivalent coursework from other colleges to enter as juniors and earn a baccalaureate. Information about the program, including eligibility requirements, the application process, and upper-division tuition, is available under the Biotechnology Area of Study (p. 143).

Plan A

MiraCosta College General Education Requirements 2022-2023

Plan A will satisfy general education requirements at MiraCosta College but will not satisfy all general education requirements for transfer to a CSU or UC campus and is not intended for students transferring to a four-year institution.

AREA A—Language & Reasoning

These courses develop the principles and applications of language toward

- ▶ Logical thought
- ▶ Clear and precise expression
- ▶ Critical evaluation of communication.

A1. English Composition

A minimum of 3 semester units is required.

Required courses:		
ENGL 100	Composition and Reading *	4
or ENGL 100H	Composition and Reading (Honors)	

A2. Communication & Analytical Thinking

A minimum of 3 semester units is required. Select one course from any discipline.

Required courses:		
BTEC 180	Biostatistics *	4
BTEC 180H	Biostatistics (Honors) *	4
BUS 147	Personal Finance *	3
BUS 204	Business Statistics *	3
BUS 204H	Business Statistics (Honors) *	3
COMM 101	Public Speaking	3
COMM 106	Group Communication	3
COMM 207	Interpersonal Communication	3
COMM 212	Argumentation	3
CSIT 123	Introduction to Data Analytics	3
ENGL 201	Critical Thinking, Composition, and Literature *	4
ENGL 201H	Critical Thinking, Composition, and Literature (Honors) *	4
ENGL 202	Critical Thinking and Composition *	4
ENGL 202H	Critical Thinking and Composition (Honors) *	4
MATH 64	Intermediate Algebra *	4
MATH 64S	Intermediate Algebra with Integrated Support *	6
MATH 102	Math Fundamentals II: Mathematics for Life *	4

Degrees & Certificates

MATH 103	Statistics *	4
MATH 103S	Statistics with Integrated Support *	5
MATH 105	Concepts and Structures of Elementary Mathematics I *	3
MATH 106	Concepts and Structures of Elementary Mathematics II *	3
MATH 112	Mathematical Analysis *	3
MATH 115	Calculus with Applications *	5
MATH 126	Pre-Calculus I: College Algebra *	4
MATH 126S	Precalculus I: College Algebra with Integrated Support	5
MATH 131	Pre-Calculus II: Trigonometry and Analytic Geometry *	4
MATH 131H	Pre-Calculus II: Trigonometry and Analytic Geometry (Honors) *	4
MATH 150	Calculus and Analytic Geometry I *	5
MATH 150H	Calculus and Analytic Geometry I (Honors) *	5
MATH 155	Calculus and Analytic Geometry II *	4
MATH 155H	Calculus and Analytic Geometry II (Honors) *	4
MATH 260	Calculus and Analytic Geometry III *	4
MATH 260H	Calculus and Analytic Geometry III (Honors) *	4
PHIL 100	Critical Thinking	3
PHIL 110	Introduction to Logic	3
PHIL 110H	Introduction to Logic (Honors)	3
PSYC 104	Statistics for Behavioral Science *	4
PSYC 104H	Statistics for Behavioral Science (Honors) *	4
PSYC 105	Critical Thinking in Psychology *	3
READ 100	Critical Reading and Thinking *	3
SOC 125	Introduction to Statistics in Sociology *	4

AREA B—Natural Sciences

These courses examine the physical universe, its life forms, and its natural phenomena. These courses will:

- ▶ Help the student develop an appreciation and understanding of the scientific method
- ▶ Encourage an understanding of the relationships between science and other human activities.

A minimum of 3 semester units is required. Courses with a laboratory component are defined with a #.

Required courses:		
ANTH 101	Biological Anthropology	3
ANTH 101H	Biological Anthropology (Honors)	3
ANTH 101L	Biological Anthropology Laboratory #	1
ANTH 101LH	Biological Anthropology Lab (Honors) #	1
ANTH 105	Evolution of Human Behavior	3
ANTH 105H	Evolution of Human Behavior (Honors)	3
ANTH 190	Primate Behavior and Ecology	3

ANTH 190H	Primate Behavior and Ecology (Honors)	3
ASTR 101	Descriptive Astronomy	3
ASTR 101L	Descriptive Astronomy Laboratory #	1
ASTR 120	Life in the Universe	3
ASTR 201	Introductory Astronomy	3
BIO 102	Introductory Biology: Ecology and Environmental Biology #	4
BIO 103	Introductory Biology: Animal Diversity	3
BIO 104	Introductory Biology: Botany (Plant Life) #	4
BIO 105	Introductory Biology: Biotechnology in Society	3
BIO 106	Introductory Biology: Infectious Diseases—A Global Concern	3
BIO 107	Introductory Biology: Marine Biology #	4
BIO 108	Introductory Biology: Ecology of the Oceans	3
BIO 109	Introductory Biology: The Fundamentals of Life on Earth #	4
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab) #	4
BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	3
BIO 111L	Introductory Biology: Preparation for Pre-Health Professions (Lab) #	1
BIO 202	Foundations of Biology: Evolution, Biodiversity, and Organismal Biology #	4
BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology #	4
BIO 204H	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology (Honors) #	4
BIO 220	Human Physiology #	4
BTEC 108	Biomanufacturing: From Gene to Product	3
BTEC 108H	Biomanufacturing: From Gene to Product (Honors)	3
CHEM 103	Chemistry and Society: For Non-Science Majors	3
CHEM 103L	Chemistry and Society: For Non-Science Majors (Lab) #	1
CHEM 112	Introductory General, Organic, and Biological Chemistry: For Allied Health Majors #	5
CHEM 115	Introductory General Chemistry: For Allied Health Majors #	4
CHEM 115H	Introductory General Chemistry: For Allied Health Majors (Honors) #	4
CHEM 116	Introductory Organic and Biological Chemistry: For Allied Health Majors #	4
CHEM 140	Preparation for General Chemistry: For Science Majors #	4

CHEM 150	General Chemistry I: For Science Majors #	5
CHEM 150H	General Chemistry I: For Science Majors (Honors) #	5
CHEM 151	General Chemistry II: For Science Majors #	5
CHEM 151H	General Chemistry II: For Science Majors (Honors) #	5
EART 106	Earth and Space Science	3
EART 106H	Earth and Space Science (Honors)	3
GEOG 101	Physical Geography	3
GEOG 101L	Physical Geography Laboratory #	1
GEOL 101	Physical Geology	3
GEOL 101H	Physical Geology (Honors)	3
GEOL 101L	Physical Geology Laboratory #	1
HORT 115	Soil Science #	3
HORT 116	Plant Science #	4
NURS 153	Pathophysiology for Health Professions #	3
NUTR 100	Nutrition Today	3
NUTR 100H	Nutrition Today (Honors)	3
NUTR 120	Principles of Food Science with Lab #	3
OCEA 101	Introduction to Oceanography	3
OCEA 101H	Introduction to Oceanography (Honors)	3
OCEA 101L	Introductory Oceanography Laboratory #	1
PHSN 106	Introduction to Physical Science: Physics and Chemistry	3
PHSN 108	Introduction to Climate Change	3
PHSN 108H	Introduction to Climate Change (Honors)	3
PHYS 111	Introductory Physics I #	4
PHYS 111H	Introductory Physics I (Honors)	4
PHYS 112	Introductory Physics II #	4
PHYS 112H	Introductory Physics II (Honors)	4
PHYS 151	Principles of Physics I #	4
PHYS 151H	Principles of Physics I (Honors) #	4
PHYS 152	Principles of Physics II #	4
PHYS 152H	Principles of Physics II (Honors) #	4
PHYS 253	Principles of Physics III #	4
PHYS 253H	Principles of Physics III (Honors) #	4
PSYC 260	Physiological Psychology	3

AREA C—Humanities

These courses study the cultural activities and artistic expressions of human beings. These courses will develop:

- ▶ An awareness of the ways in which people throughout the ages and in different cultures have responded to themselves and the world around them in artistic and cultural creation
- ▶ An aesthetic understanding
- ▶ An ability to make value judgments.

A minimum of 3 semester units is required. Select one course from any discipline.

Required courses:		
ART 100	Drawing and Composition	3
ART 101	Design and Color	3
ART 103	3D Design	3
ART 104	Artists & Designers Now	3
ART 157	Art Orientation	3
ART 158	Traditional Arts of Africa, Oceania, and the Americas	3
ART 159	Pre-Columbian Art	3
ART 159H	Pre-Columbian Art (Honors)	3
ART 201	Objects and Ideas in Contemporary Art	3
ART 230	Installation Art	3
ART 232	Video Art	3
ART 244	Digital Media for the Visual Artist	3
ART 254	Understanding and Appreciating the Photographic Image	3
ART 258	Ancient to Gothic Art	3
ART 259	History of Renaissance to Modern Art	3
ART 260	History of Modern Art	3
ART 260H	History of Modern Art (Honors)	3
ART 290	Landmarks of Art	3
AUTO 110	History of the Automobile	3
CCS/SOC 230	Introduction to Chicana/o Studies	3
CCS/SOC 232	Critical Issues in Chicana and Latina Studies	3
COMM 111	Narrative Performance	3
COMM 215	Intercultural Communication	3
DESN 107	History of Western Architecture-A Sustainable Perspective	3
DESN 108	World Architecture	3
DNCE 100	Dance Appreciation	3
DNCE 100H	Dance Appreciation (Honors)	3
DNCE 101	Dance History	3
DNCE 101H	Dance History (Honors)	3
DNCE 104	Dance on Film	3
DNCE 105	Dance Cultures of the World	3
DNCE 105H	Dance Cultures of the World (Honors)	3
DRAM 105	Introduction to Theatre	3
DRAM 130	Acting I	3
DRAM 134	Introduction to Performance	3
DRAM 222	Introduction to Black Theater	3
FILM 101	Introduction to Film	3
FILM 101H	Introduction to Film (Honors)	3
FILM 106	Study of Filmed Plays	3
FILM 111	Film History I: 1880-1945	3
FILM 111H	Film History I: 1880-1945 (Honors)	3
FILM 112	Film History II: 1945-Present	3
FILM 112H	Film History II: 1945-Present (Honors)	3
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3

Degrees & Certificates

FILM 211H	Identity and Film: Race, Class, Gender and Sexuality (Honors)	3	LIT 101	Introduction to Asian American Literature	3
FILM 212	Women and Film: Representation and Impact	3	LIT 120	Introduction to Literature	3
FILM 212H	Women and Film: Representation and Impact (Honors)	3	LIT 122	Introduction to African American Literature	3
FREN 101	Elementary French (First Semester)	4	LIT 250	American Literature: First Contact Through the Civil War	3
FREN 102	Elementary French (Second Semester)	4	LIT 250H	American Literature: First Contact Through the Civil War (Honors)	3
FREN 121	Introduction to French Culture	3	LIT 251	American Literature: Mid-1800s to the Present	3
FREN 201	Intermediate French (Third Semester)	4	LIT 251H	American Literature: Mid-1800s to the Present (Honors)	3
FREN 202	Intermediate French (Fourth Semester)	4	LIT 260	English Literature Through the 18th Century	3
GRMN 101	Elementary German (First Semester)	4	LIT 260H	English Literature Through the 18th Century (Honors)	3
GRMN 102	Elementary German (Second Semester)	4	LIT 261	English Literature: Romantic to Contemporary	3
GRMN 121	Introduction to German Culture	3	LIT 261H	English Literature: Romantic to Contemporary (Honors)	3
GRMN 201	Intermediate German (Third Semester)	4	LIT 265	Shakespeare Studies	3
HIST 103	Early European History and Culture	3	LIT 265H	Shakespeare Studies (Honors)	3
HIST 103H	Early European History and Culture (Honors)	3	LIT 270	World Literature to 1600	3
HIST 104	Modern European History and Culture	3	LIT 270H	World Literature to 1600 (Honors)	3
HIST 104H	Modern European History and Culture (Honors)	3	LIT 271	World Literature Since 1600	3
HUMN 101	Introduction to the Arts	3	MAT 105	History of Graphic Design	3
HUMN 101H	Introduction to the Arts (Honors)	3	MUS 100	Introduction to Music Theory	3
HUMN 201	Cultural Eras in the Humanities: Prehistory to 1600	3	MUS 112	American Popular Music	3
HUMN 202	Humanities of the Western World: The Renaissance to the Twentieth Century	3	MUS 113	The Music of America	3
HUMN 205	Women in Western Art and Literature	3	MUS 114	History of Rock and Roll	3
ITAL 101	Elementary Italian (First Semester)	4	MUS 115	History of Classical Music	3
ITAL 102	Elementary Italian (Second Semester)	4	MUS 116	A Survey of World Music	3
ITAL 103	Elementary Italian for Spanish Speakers (First Semester)	4	MUS 119	Jazz History	3
ITAL 121	Introduction to Italian Culture	3	MUS 119H	Jazz History (Honors)	3
ITAL 201	Intermediate Italian (Third Semester)	4	PHIL 101	Introduction to Philosophy: Knowledge and Reality	3
ITAL 202	Intermediate Italian (Fourth Semester)	4	PHIL 101H	Introduction to Philosophy: Knowledge and Reality (Honors)	3
JAPN 101	Elementary Japanese (First Semester)	4	PHIL 102	Contemporary Moral Problems	3
JAPN 102	Elementary Japanese (Second Semester)	4	PHIL 221	Philosophy of Religion	3
JAPN 121	Introduction to Japanese Culture	3	RELG 101	World Religions	3
JAPN 201	Intermediate Japanese (Third Semester)	4	RELG 101H	World Religions (Honors)	3
JAPN 202	Intermediate Japanese (Fourth Semester)	4	RELG 103	Religion in America	3
LIT 100	Introduction to Chicano Chicana Literature	3	RELG 105	Eastern Religions	3
			SOC/CCS 230	Introduction to Chicana/o Studies	3
			SOC/CCS 232	Critical Issues in Chicana and Latina Studies	3
			SPAN 101	Elementary Spanish (First Semester)	4
			SPAN 102	Elementary Spanish (Second Semester)	4
			SPAN 201	Intermediate Spanish (Third Semester)	4
			SPAN 202	Intermediate Spanish (Fourth Semester)	4

SPAN 205	Hispanic Film, Literature, and Composition	3
SPAN 221	Spanish for Native Speakers	4
SPAN 222	Spanish for Native Speakers II	4

Area D—Social & Behavioral Sciences

These courses focus on people as members of society. These courses will:

- ▶ Develop an awareness of the method of inquiry used by the social and behavioral sciences
- ▶ Stimulate critical thinking about the ways people act and have acted in response to their societies
- ▶ Promote appreciation of how societies and social subgroups operate.

A minimum of 3 semester units is required. Select one course from any discipline.

ADM 100	Introduction to the Administration of Justice	3
ADM 100H	Introduction to the Administration of Justice (Honors)	3
ADM 200	Concepts of Criminal Law	3
ANTH 102	Cultural Anthropology	3
ANTH 102H	Cultural Anthropology (Honors)	3
ANTH 103	Introduction to Archaeology	3
ANTH 104	Native American Cultures	3
ANTH 107	Gender, Sex, and Sexuality	3
ANTH 190	Primate Behavior and Ecology	3
ANTH 190H	Primate Behavior and Ecology (Honors)	3
CCS/SOC 230	Introduction to Chicana/o Studies	3
CCS/SOC 232	Critical Issues in Chicana and Latina Studies	3
CHLD 113	Child and Adolescent Growth and Development	3
CHLD 235	Children in a Diverse Society	3
COMM 120	Principles of Human Communication	3
COMM 135	Gender Studies in Communication	3
COMM 220	Introduction to Mass Communication	3
CSIT 160	Technology, the Individual, and Society	3
ECON 100	Survey of Economics	3
ECON 101	Principles of Economics: MACRO	3
ECON 102	Principles of Economics: MICRO	3
GEOG 102	Cultural Geography	3
GEOG 104	World Geography	3
GEOG 108	Environmental Sustainability and Society	3
GERO 101	Introduction to Aging	3
GERO 250	Intergenerational Issues	3
HIST 100	World History to 1500	3
HIST 100H	World History to 1500 (Honors)	3
HIST 101	World History Since 1500	3
HIST 101H	World History Since 1500 (Honors)	3

HIST 102	History of the Modern Middle East	3
HIST 102H	History of the Modern Middle East (Honors)	3
HIST 105	History of England	3
HIST 105H	History of England (Honors)	3
HIST 106	History of Technology	3
HIST 106H	History of Technology (Honors)	3
HIST 107	East Asian Societies	3
HIST 110	United States History to 1877	3
HIST 110H	United States History to 1877 (Honors)	3
HIST 111	United States History Since 1877	3
HIST 111H	United States History Since 1877 (Honors)	3
HIST 113	American Military History	3
HIST 113H	American Military History (Honors)	3
HIST 115	Women in American History	3
HIST 115H	Women in American History (Honors)	3
HIST 116	History of the Americas to 1830	3
HIST 116H	History of the Americas to 1830 (Honors)	3
HIST 117	History of the Americas Since 1830	3
HIST 117H	History of the Americas Since 1830 (Honors)	3
HIST 141	Mexican American History Through 1877	3
HIST 141H	Mexican American History Through 1877 (Honors)	3
HIST 142	Mexican American History Since 1877	3
HIST 142H	Mexican American History Since 1877 (Honors)	3
HIST 145	African American History to 1877	3
HIST 145H	African American History to 1877 (Honors)	3
HIST 146	African American History Since 1877	3
HIST 146H	African American History Since 1877 (Honors)	3
HIST 165	California History	3
PLSC 101	Introduction to Political Science	3
PLSC 101H	Introduction to Political Science (Honors)	3
PLSC 102	American Institutions and History	4
PLSC 103	Comparative Government	3
PLSC 150	Introduction to International Relations	3
PSYC 100	Psychology of Personal Growth	3
PSYC 101	General Psychology	3
PSYC 101H	General Psychology (Honors)	3
PSYC 103	Social Psychology	3
PSYC 114	Abnormal Psychology	3
PSYC 115	Human Sexuality	3
PSYC 121	Human Development	3
PSYC 121H	Human Development (Honors)	3

Degrees & Certificates

PSYC 125	Psychology of Women	3
PSYC 170	Psychology of Aging: Adult Development and Aging	3
PSYC 211	Learning and Behavior Modification	3
SOC 101	Introduction to Sociology	3
SOC 101H	Introduction to Sociology (Honors)	3
SOC 102	Contemporary Social Problems	3
SOC 103	Social Psychology	3
SOC 105	Introduction to Justice Studies	3
SOC 120	Introduction to Women's Studies	3
SOC 130	Introduction to Gender Studies	3
SOC 140	Introduction to LGBT Studies	3
SOC/CCS 230	Introduction to Chicana/o Studies	3
SOC/CCS 232	Critical Issues in Chicana and Latina Studies	3
SOC 250	Introduction to Pacific Studies	3

Area E—Lifelong Learning

Courses in this category equip student learners for lifelong understanding and development of themselves as integrated physiological, social, and psychological beings. Technology and information-fluency courses develop the students' ability to skillfully and effectively make use of two or more technological tools to access, evaluate, analyze, integrate, and utilize information in a variety of contexts in order to apply it to decision making, critical thinking, and problem solving in their lives. Self-development courses encourage attentiveness to health and well-being and to the practical aspects of managing and improving students' lives.

A minimum of 3 semester units is required. Select one course from either group.

E1. Technology & Information Fluency

ACCT 101	Practical Accounting	4
ACCT 145	Individual Income Tax	4
BUS 133	Project Management	3
CSIT 101	Introduction to Computers	3
CSIT 110	Computer Applications	3
CSIT 120	Fundamentals of Computer Information Systems	3
CSIT 137	Google Apps for Business	3
CSIT 155	Social Media for Business	3
LIBR 101	Introduction to Library Research	1
LIBR 201	Media & Information Literacy	3
LIBR 201H	Media & Information Literacy (Honors)	3
MAT 120	Media Design 1: Production	3
MAT 125	Web Design 1: Fundamentals	3
MAT 150	Animation and Interactivity	3
MAT 165	Web Design 2: Tools and Techniques	3
MAT 180	Digital Publishing: Adobe InDesign	3

E2. Self-Development***

BTEC 107	Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry	3

BUS 136	Human Relations in Business	3
BUS 147	Personal Finance	3
CHLD 113	Child and Adolescent Growth and Development	3
COUN 100	College and Career Success	3
CSIT 160	Technology, the Individual, and Society	3
CSIT 165	Living in an Online World	3
GERO 101	Introduction to Aging	3
GERO 250	Intergenerational Issues	3
HEAL 101	Principles of Health	3
HEAL 205	Integrative Health and Wellness	3
INTR 100	Foundation Skills for the College Experience	3
NURS 283	Medical Surgical Nursing IV	7
NUTR 100	Nutrition Today	3
NUTR 100H	Nutrition Today (Honors)	3
NUTR 105	Human Performance and Sports Nutrition	3
NUTR 125	Nutrition and Aging	3
PSYC 100	Psychology of Personal Growth	3
PSYC 115	Human Sexuality	3
PSYC 121	Human Development	3
PSYC 121H	Human Development (Honors)	3
PSYC 145	Psychology/Sociology of the Family	3
PSYC 170	Psychology of Aging: Adult Development and Aging	3
SOC 145	Psychology/Sociology of the Family	3

Area F—Cultural Diversity**

Courses in this category demonstrate sensitivity to and promote a climate of cultural diversity. They focus specifically on a multicultural and global perspective and foster an understanding of the student's role in a global community. Courses that fulfill this requirement introduce and examine the intersection of ethnicity, language, or culture with gender, sexuality, class, or other important social categories, such as religion.

A minimum of 3 semester units is required.

ADM 230	Policing in a Diverse and Multicultural Society	3
BLST/SOC 240	Introduction to Black Studies	3
BUS 136	Human Relations in Business	3
BUS 160	International Business	3
CCS/SOC 230	Introduction to Chicana/o Studies	3
CCS/SOC 232	Critical Issues in Chicana and Latina Studies	3
CHLD 210	Child, Family, and Community	3
CHLD 235	Children in a Diverse Society	3
COMM 215	Intercultural Communication	3
DNCE 104	Dance on Film	3
DNCE 105	Dance Cultures of the World	3
DNCE 105H	Dance Cultures of the World (Honors)	3
DNCE 169	Introduction to World Dance Forms	1

DRAM 222	Introduction to Black Theater	3	HIST 142	Mexican American History Since 1877	3
ETHN/SOC 207	Race and Ethnic Relations	3	HIST 142H	Mexican American History Since 1877 (Honors)	3
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3	HIST 145	African American History to 1877	3
FILM 211H	Identity and Film: Race, Class, Gender and Sexuality (Honors)	3	HIST 145H	African American History to 1877 (Honors)	3
FILM 212	Women and Film: Representation and Impact	3	HIST 146	African American History Since 1877	3
FILM 212H	Women and Film: Representation and Impact (Honors)	3	HIST 146H	African American History Since 1877 (Honors)	3
FREN 121	Introduction to French Culture	3	JAPN 121	Introduction to Japanese Culture	3
GEOG 102	Cultural Geography	3	LIT 122	Introduction to African American Literature	3
GEOG 104	World Geography	3	LIT 270	World Literature to 1600	3
GERO 101	Introduction to Aging	3	LIT 270H	World Literature to 1600 (Honors)	3
GERO 130	Caregiving: Techniques for Working with the Frail Elderly	3	LIT 271	World Literature Since 1600	3
GRMN 121	Introduction to German Culture	3	MUS 116	A Survey of World Music	3
HIST 100	World History to 1500	3	MUS 119	Jazz History	3
HIST 100H	World History to 1500 (Honors)	3	MUS 119H	Jazz History (Honors)	3
HIST 101	World History Since 1500	3	NUTR 108	Cultural Aspects of Foods and Nutrition	3
HIST 101H	World History Since 1500 (Honors)	3	PLSC 102	American Institutions and History	4
HIST 102	History of the Modern Middle East	3	PSYC 121	Human Development	3
HIST 102H	History of the Modern Middle East (Honors)	3	PSYC 121H	Human Development (Honors)	3
HIST 103	Early European History and Culture	3	RELG 101	World Religions	3
HIST 103H	Early European History and Culture (Honors)	3	RELG 101H	World Religions (Honors)	3
HIST 104	Modern European History and Culture	3	RELG 105	Eastern Religions	3
HIST 104H	Modern European History and Culture (Honors)	3	SOC 120	Introduction to Women's Studies	3
HIST 105	History of England	3	SOC/ETHN 207	Race and Ethnic Relations	3
HIST 105H	History of England (Honors)	3	SOC/CCS 230	Introduction to Chicana/o Studies	3
HIST 110	United States History to 1877	3	SOC/CCS 232	Critical Issues in Chicana and Latina Studies	3
HIST 110H	United States History to 1877 (Honors)	3	SOC/BLST 240	Introduction to Black Studies	3
HIST 111	United States History Since 1877	3	SOC 250	Introduction to Pacific Studies	3
HIST 111H	United States History Since 1877 (Honors)	3	SPAN 101	Elementary Spanish (First Semester)	4
HIST 113	American Military History	3	SPAN 102	Elementary Spanish (Second Semester)	4
HIST 113H	American Military History (Honors)	3	SPAN 201	Intermediate Spanish (Third Semester)	4
HIST 115	Women in American History	3	SPAN 205	Hispanic Film, Literature, and Composition	3
HIST 115H	Women in American History (Honors)	3			
HIST 116	History of the Americas to 1830	3			
HIST 116H	History of the Americas to 1830 (Honors)	3			
HIST 117	History of the Americas Since 1830	3			
HIST 117H	History of the Americas Since 1830 (Honors)	3			
HIST 141	Mexican American History Through 1877	3			
HIST 141H	Mexican American History Through 1877 (Honors)	3			

Area G—American Institutions & History**

Courses in this category develop the knowledge and skills necessary for intelligent citizenship. They focus on the major events and issues in U.S. history and the political processes used in the United States.

A minimum of 3 semester units is required.

Required courses:		
HIST 110	United States History to 1877	3
HIST 110H	United States History to 1877 (Honors)	3
HIST 111	United States History Since 1877	3
HIST 111H	United States History Since 1877 (Honors)	3

HIST 116	History of the Americas to 1830	3
HIST 116H	History of the Americas to 1830 (Honors)	3
HIST 117	History of the Americas Since 1830	3
HIST 117H	History of the Americas Since 1830 (Honors)	3
HIST 141	Mexican American History Through 1877	3
HIST 141H	Mexican American History Through 1877 (Honors)	3
HIST 142	Mexican American History Since 1877	3
HIST 142H	Mexican American History Since 1877 (Honors)	3
HIST 145	African American History to 1877	3
HIST 145H	African American History to 1877 (Honors)	3
HIST 146	African American History Since 1877	3
HIST 146H	African American History Since 1877 (Honors)	3
HIST 165	California History	3
PLSC 102	American Institutions and History	4

Important Information & Footnotes

This general education pattern is subject to change year by year, but students are assured that courses taken to meet this requirement will be honored if they are approved for the academic year that the course is completed. Courses on this list are approved effective fall 2022 and are valid through summer 2023.

Credit will not be awarded for both the honors and the non-honors version of a course.

Courses may be used to satisfy a general education and a major requirement.

Courses listed in two different areas may be used in either area but not both.

- * Courses completed with a "C" or "P" can be used to meet the graduation competency requirements.
- ** Courses completed in these categories may also satisfy other general education requirements.
- *** Active duty military personnel and U.S. military veterans may satisfy E-2 through submission of a military transcript that demonstrates the completion of Basic Training or Recruit Training (DD214, DD295, or other military transcript).
- # Laboratory course.

Plan B

CSU General Education-Breadth Courses 2022-2023

AREA A—English Language Communication & Critical Thinking

Three courses and a minimum of 9 semester units are required. Select **one** course from each group below.

A1. * Oral Communication

Required courses:

COMM 101	Public Speaking	3
COMM 106	Group Communication	3
COMM 207	Interpersonal Communication	3

A2. * Written Communication

Required courses:

ENGL 100	Composition and Reading	4
ENGL 100H	Composition and Reading (Honors)	4

A3. * Critical Thinking

Required courses:

COMM 212	Argumentation	3
ENGL 201	Critical Thinking, Composition, and Literature	4
ENGL 201H	Critical Thinking, Composition, and Literature (Honors)	4
ENGL 202	Critical Thinking and Composition	4
ENGL 202H	Critical Thinking and Composition (Honors)	4
PHIL 100	Critical Thinking	3
PHIL 110	Introduction to Logic	3
PHIL 110H	Introduction to Logic (Honors)	3
READ 100	Critical Reading and Thinking	3

AREA B—Scientific Inquiry & Quantitative Reasoning

Three courses and a minimum of 9 semester units are required. Select **one** course from each group below. One course **must** include a corresponding laboratory from group B1 or B2. (Lab courses are noted with the # symbol.)

B1. Physical Science

Required courses:

ASTR 101	Descriptive Astronomy	3
ASTR 101L	Descriptive Astronomy Laboratory #	1
ASTR 120	Life in the Universe	3
ASTR 201	Introductory Astronomy	3
CHEM 103	Chemistry and Society: For Non-Science Majors	3
CHEM 103L	Chemistry and Society: For Non-Science Majors (Lab) #	1
CHEM 112	Introductory General, Organic, and Biological Chemistry: For Allied Health Majors #	5

CHEM 115	Introductory General Chemistry: For Allied Health Majors [#]	4	BIO 102	Introductory Biology: Ecology and Environmental Biology [#]	4
CHEM 115H	Introductory General Chemistry: For Allied Health Majors (Honors) [#]	4	BIO 103	Introductory Biology: Animal Diversity	3
CHEM 116	Introductory Organic and Biological Chemistry: For Allied Health Majors [#]	4	BIO 104	Introductory Biology: Botany (Plant Life) [#]	4
CHEM 140	Preparation for General Chemistry: For Science Majors [#]	4	BIO 105	Introductory Biology: Biotechnology in Society	3
CHEM 150	General Chemistry I: For Science Majors [#]	5	BIO 106	Introductory Biology: Infectious Diseases—A Global Concern	3
CHEM 150H	General Chemistry I: For Science Majors (Honors) [#]	5	BIO 107	Introductory Biology: Marine Biology [#]	4
CHEM 151	General Chemistry II: For Science Majors [#]	5	BIO 108	Introductory Biology: Ecology of the Oceans	3
CHEM 151H	General Chemistry II: For Science Majors (Honors) [#]	5	BIO 109	Introductory Biology: The Fundamentals of Life on Earth [#]	4
EART 106	Earth and Space Science	3	BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab) [#]	4
GEOG 101	Physical Geography	3	BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	3
GEOG 101L	Physical Geography Laboratory [#]	1	BIO 111L	Introductory Biology: Preparation for Pre-Health Professions (Lab) [#]	1
GEOL 101	Physical Geology	3	BIO 202	Foundations of Biology: Evolution, Biodiversity, and Organismal Biology [#]	4
GEOL 101H	Physical Geology (Honors)	3	BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology [#]	4
GEOL 101L	Physical Geology Laboratory [#]	1	BIO 204H	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology (Honors) [#]	4
NUTR 120	Principles of Food Science with Lab [#]	3	BIO 220	Human Physiology [#]	4
OCEA 101	Introduction to Oceanography	3	BIO 230	Introduction to Microbiology (F'14) [#]	5
OCEA 101H	Introduction to Oceanography (Honors)	3	BTEC 108	BioManufacturing: From Gene to Product [#]	3
OCEA 101L	Introductory Oceanography Laboratory [#]	1	BTEC 108H	BioManufacturing: From Gene to Product (Honors) [#]	3
PHSN 106	Introduction to Physical Science: Physics and Chemistry	3	HORT 115	Soil Science (F'16) [#]	3
PHSN 108	Introduction to Climate Change	3	HORT 116	Plant Science [#]	4
PHSN 108H	Introduction to Climate Change (Honors)	3	NUTR 100	Nutrition Today (F'16)	3
PHYS 111	Introductory Physics I [#]	4	NUTR 100H	Nutrition Today (Honors)	3
PHYS 112	Introductory Physics II [#]	4	PSYC 260	Physiological Psychology	3
PHYS 151	Principles of Physics I [#]	4			
PHYS 151H	Principles of Physics I (Honors) [#]	4			
PHYS 152	Principles of Physics II [#]	4			
PHYS 152H	Principles of Physics II (Honors) [#]	4			
PHYS 253	Principles of Physics III [#]	4			
PHYS 253H	Principles of Physics III (Honors) [#]	4			

B2. Life Science

Required courses:

ANTH 101	Biological Anthropology	3
ANTH 101H	Biological Anthropology (Honors)	3
ANTH 101L	Biological Anthropology Laboratory [#]	1
ANTH 101LH	Biological Anthropology Lab (Honors) [#]	1
ANTH 105	Evolution of Human Behavior	3
ANTH 105H	Evolution of Human Behavior (Honors)	3
ANTH 190	Primate Behavior and Ecology	3
ANTH 190H	Primate Behavior and Ecology (Honors)	3

B3. Laboratory Activity: This requirement may be met by the completion of any lab course that corresponds to a lecture course found above in B1 or B2 (noted by the # symbol).

B4. * Mathematics/Quantitative Reasoning: A minimum of 3 semester units is required.

Required courses:

BTEC 180	Biostatistics	4
BTEC 180H	Biostatistics (Honors)	4
BUS 147	Personal Finance (F'18)	3
BUS 204	Business Statistics	3
BUS 204H	Business Statistics (Honors)	3
CSIT 123	Introduction to Data Analytics	3

Degrees & Certificates

MATH 102	Math Fundamentals II: Mathematics for Life	4
MATH 103	Statistics	4
MATH 105	Concepts and Structures of Elementary Mathematics I	3
MATH 106	Concepts and Structures of Elementary Mathematics II	3
MATH 112	Mathematical Analysis	3
MATH 115	Calculus with Applications	5
MATH 126	Pre-Calculus I: College Algebra	4
MATH 131	Pre-Calculus II: Trigonometry and Analytic Geometry	4
MATH 131H	Pre-Calculus II: Trigonometry and Analytic Geometry (Honors)	4
MATH 150	Calculus and Analytic Geometry I	5
MATH 150H	Calculus and Analytic Geometry I (Honors)	5
MATH 155	Calculus and Analytic Geometry II	4
MATH 155H	Calculus and Analytic Geometry II (Honors)	4
MATH 260	Calculus and Analytic Geometry III	4
MATH 260H	Calculus and Analytic Geometry III (Honors)	4
PSYC 104	Statistics for Behavioral Science	4
PSYC 104H	Statistics for Behavioral Science (Honors)	4
SOC 125	Introduction to Statistics in Sociology	4

AREA C—Arts & Humanities

Select **one** course from C1 and **one** course from C2. Select a **third** course from either C1 or C2. A minimum of 9 semester units is required.

C1. Arts

ART 100	Drawing and Composition	3
ART 101	Design and Color	3
ART 103	3D Design	3
ART 104	Artists & Designers Now	3
ART 157	Art Orientation	3
ART 158	Traditional Arts of Africa, Oceania, and the Americas	3
ART 159	Pre-Columbian Art	3
ART 159H	Pre-Columbian Art (Honors)	3
ART 201	Objects and Ideas in Contemporary Art	3
ART 234	Kinetic Art	3
ART 244	Digital Media for the Visual Artist (F'14)	3
ART 254	Understanding and Appreciating the Photographic Image	3
ART 258	Ancient to Gothic Art	3
ART 259	History of Renaissance to Modern Art	3
ART 260	History of Modern Art	3
ART 260H	History of Modern Art (Honors)	3
ART 290	Landmarks of Art	3
COMM 111	Narrative Performance	3

DESN 107	History of Western Architecture-A Sustainable Perspective	3
DESN 108	World Architecture	3
DNCE 100	Dance Appreciation	3
DNCE 100H	Dance Appreciation (Honors)	3
DNCE 101	Dance History	3
DNCE 101H	Dance History (Honors)	3
DNCE 105	Dance Cultures of the World	3
DNCE 105H	Dance Cultures of the World (Honors)	3
DRAM 105	Introduction to Theatre	3
DRAM 130	Acting I	3
DRAM 134	Introduction to Performance	3
DRAM 222	Introduction to Black Theater	3
FILM 101	Introduction to Film (F'10)	3
FILM 101H	Introduction to Film (Honors)	3
FILM 106	Study of Filmed Plays	3
FILM 111	Film History I: 1880-1945	3
FILM 111H	Film History I: 1880-1945 (Honors) (F'19)	3
FILM 112	Film History II: 1945-Present	3
FILM 112H	Film History II: 1945-Present (Honors) (F'19)	3
MAT 105	History of Graphic Design	3
MUS 112	American Popular Music	3
MUS 113	The Music of America	3
MUS 114	History of Rock and Roll	3
MUS 115	History of Classical Music	3
MUS 116	A Survey of World Music	3
MUS 119	Jazz History	3
MUS 119H	Jazz History (Honors)	3

C2. Humanities

ART 159	Pre-Columbian Art	3
ART 159H	Pre-Columbian Art (Honors)	3
CCS 232	Critical Issues in Chicana and Latina Studies	3
COMM 215	Intercultural Communication	3
DESN 108	World Architecture	3
DNCE 104	Dance on Film	3
FILM 111	Film History I: 1880-1945	3
FILM 111H	Film History I: 1880-1945 (Honors)	3
FILM 112	Film History II: 1945-Present	3
FILM 112H	Film History II: 1945-Present (Honors)	3
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3
FILM 211H	Identity and Film: Race, Class, Gender and Sexuality (Honors)	3
FILM 212	Women and Film: Representation and Impact	3
FILM 212H	Women and Film: Representation and Impact (Honors)	3
FREN 101	Elementary French (First Semester)	4
FREN 102	Elementary French (Second Semester)	4

FREN 121	Introduction to French Culture	3
FREN 201	Intermediate French (Third Semester)	4
FREN 202	Intermediate French (Fourth Semester)	4
GRMN 101	Elementary German (First Semester)	4
GRMN 102	Elementary German (Second Semester)	4
GRMN 121	Introduction to German Culture	3
GRMN 201	Intermediate German (Third Semester)	4
HIST 100	World History to 1500 (F'11)	3
HIST 100H	World History to 1500 (Honors)	3
HIST 101	World History Since 1500 (F'11)	3
HIST 101H	World History Since 1500 (Honors) (F'11)	3
HIST 103	Early European History and Culture	3
HIST 103H	Early European History and Culture (Honors)	3
HIST 104	Modern European History and Culture	3
HIST 104H	Modern European History and Culture (Honors)	3
HIST 115	Women in American History	3
HIST 115H	Women in American History (Honors)	3
HUMN 101	Introduction to the Arts	3
HUMN 101H	Introduction to the Arts (Honors)	3
HUMN 201	Cultural Eras in the Humanities: Prehistory to 1600	3
HUMN 202	Humanities of the Western World: The Renaissance to the Twentieth Century	3
HUMN 205	Women in Western Art and Literature	3
ITAL 101	Elementary Italian (First Semester)	4
ITAL 102	Elementary Italian (Second Semester)	4
ITAL 103	Elementary Italian for Spanish Speakers (First Semester)	4
ITAL 121	Introduction to Italian Culture	3
ITAL 201	Intermediate Italian (Third Semester)	4
ITAL 202	Intermediate Italian (Fourth Semester)	4
JAPN 101	Elementary Japanese (First Semester)	4
JAPN 102	Elementary Japanese (Second Semester)	4
JAPN 121	Introduction to Japanese Culture	3
JAPN 201	Intermediate Japanese (Third Semester)	4
JAPN 202	Intermediate Japanese (Fourth Semester)	4
JAPN 210	Intermediate Conversation I and Reading (F'16)	3
LIT 100	Introduction to Chicano Chicana Literature	3

LIT 101	Introduction to Asian American Literature	3
LIT 120	Introduction to Literature	3
LIT 122	Introduction to African American Literature	3
LIT 250	American Literature: First Contact Through the Civil War	3
LIT 250H	American Literature: First Contact Through the Civil War (Honors)	3
LIT 251	American Literature: Mid-1800s to the Present	3
LIT 251H	American Literature: Mid-1800s to the Present (Honors)	3
LIT 260	English Literature Through the 18th Century	3
LIT 260H	English Literature Through the 18th Century (Honors)	3
LIT 261	English Literature: Romantic to Contemporary	3
LIT 261H	English Literature: Romantic to Contemporary (Honors)	3
LIT 265	Shakespeare Studies	3
LIT 265H	Shakespeare Studies (Honors)	3
LIT 270	World Literature to 1600	3
LIT 270H	World Literature to 1600 (Honors)	3
LIT 271	World Literature Since 1600	3
MAT 105	History of Graphic Design	3
PHIL 101	Introduction to Philosophy: Knowledge and Reality	3
PHIL 101H	Introduction to Philosophy: Knowledge and Reality (Honors)	3
PHIL 102	Contemporary Moral Problems	3
PHIL 221	Philosophy of Religion	3
RELG 101	World Religions	3
RELG 101H	World Religions (Honors)	3
RELG 103	Religion in America	3
RELG 105	Eastern Religions	3
SOC 232	Critical Issues in Chicana and Latina Studies	3
SPAN 101	Elementary Spanish (First Semester)	4
SPAN 102	Elementary Spanish (Second Semester)	4
SPAN 201	Intermediate Spanish (Third Semester)	4
SPAN 202	Intermediate Spanish (Fourth Semester)	4
SPAN 221	Spanish for Native Speakers	4
SPAN 205	Hispanic Film, Literature, and Composition	3

AREA D—Social Sciences* *

Select **two** courses. If both courses selected are from the same discipline, the CSU Area D upper-division requirement, completed after transfer, must come from a different discipline. A minimum of 6 units is required.

Degrees & Certificates

ADM 100	Introduction to the Administration of Justice	3	HIST 111	United States History Since 1877	3
ADM 100H	Introduction to the Administration of Justice (Honors)	3	HIST 111H	United States History Since 1877 (Honors)	3
ADM 200	Concepts of Criminal Law (F'11)	3	HIST 113	American Military History	3
ANTH 102	Cultural Anthropology	3	HIST 113H	American Military History (Honors)	3
ANTH 102H	Cultural Anthropology (Honors)	3	HIST 115	Women in American History	3
ANTH 103	Introduction to Archaeology	3	HIST 115H	Women in American History (Honors)	3
ANTH 104	Native American Cultures	3	HIST 116	History of the Americas to 1830	3
ANTH 105	Evolution of Human Behavior	3	HIST 116H	History of the Americas to 1830 (Honors)	3
ANTH 105H	Evolution of Human Behavior (Honors)	3	HIST 117	History of the Americas Since 1830	3
ANTH 107	Gender, Sex, and Sexuality	3	HIST 117H	History of the Americas Since 1830 (Honors)	3
ANTH 190	Primate Behavior and Ecology	3	HIST 141	Mexican American History Through 1877 (F'10)	3
ANTH 190H	Primate Behavior and Ecology (Honors) (F'19)	3	HIST 141H	Mexican American History Through 1877 (Honors)	3
BLST 240	Introduction to Black Studies	3	HIST 142	Mexican American History Since 1877 (F'10)	3
CCS 230	Introduction to Chicana/o Studies	3	HIST 142H	Mexican American History Since 1877 (Honors)	3
CCS 232	Critical Issues in Chicana and Latina Studies	3	HIST 145	African American History to 1877 (F'10)	3
CHLD 113	Child and Adolescent Growth and Development (F'11)	3	HIST 145H	African American History to 1877 (Honors)	3
CHLD 210	Child, Family, and Community (F'11)	3	HIST 146	African American History Since 1877 (F'10)	3
CHLD 235	Children in a Diverse Society	3	HIST 146H	African American History Since 1877 (Honors)	3
COMM 120	Principles of Human Communication	3	HIST 165	California History	3
COMM 135	Gender Studies in Communication	3	NUTR 108	Cultural Aspects of Foods and Nutrition	3
COMM 220	Introduction to Mass Communication	3	PLSC 101	Introduction to Political Science	3
CSIT 160	Technology, the Individual, and Society	3	PLSC 101H	Introduction to Political Science (Honors)	3
ECON 100	Survey of Economics	3	PLSC 102	American Institutions and History (F'09)	4
ECON 101	Principles of Economics: MACRO	3	PLSC 103	Comparative Government	3
ECON 102	Principles of Economics: MICRO	3	PLSC 150	Introduction to International Relations	3
ETHN 207	Race and Ethnic Relations	3	PSYC 100	Psychology of Personal Growth	3
GEOG 102	Cultural Geography	3	PSYC 101	General Psychology	3
GEOG 104	World Geography	3	PSYC 101H	General Psychology (Honors)	3
GEOG 108	Environmental Sustainability and Society	3	PSYC 103	Social Psychology	3
GERO 101	Introduction to Aging	3	PSYC 114	Abnormal Psychology (F'19)	3
GERO 250	Intergenerational Issues	3	PSYC 115	Human Sexuality (F'12)	3
HIST 100	World History to 1500	3	PSYC 121	Human Development	3
HIST 100H	World History to 1500 (Honors)	3	PSYC 125	Psychology of Women	3
HIST 101	World History Since 1500	3	PSYC 145	Psychology/Sociology of the Family (F'11)	3
HIST 101H	World History Since 1500 (Honors)	3	PSYC 170	Psychology of Aging: Adult Development and Aging	3
HIST 102	History of the Modern Middle East	3	PSYC 211	Learning and Behavior Modification (F'14)	3
HIST 102H	History of the Modern Middle East (Honors)	3	SOC 101	Introduction to Sociology	3
HIST 105	History of England	3			
HIST 105H	History of England (Honors)	3			
HIST 106	History of Technology	3			
HIST 106H	History of Technology (Honors)	3			
HIST 107	East Asian Societies	3			
HIST 110	United States History to 1877	3			
HIST 110H	United States History to 1877 (Honors)	3			

SOC 101H	Introduction to Sociology (Honors)	3
SOC 102	Contemporary Social Problems	3
SOC 103	Social Psychology	3
SOC 105	Introduction to Justice Studies	3
SOC 120	Introduction to Women's Studies	3
SOC 130	Introduction to Gender Studies	3
SOC 140	Introduction to LGBT Studies	3
SOC 145	Psychology/Sociology of the Family (F'11)	3
SOC 207	Race and Ethnic Relations (F'10)	3
SOC 230	Introduction to Chicana/o Studies	3
SOC 232	Critical Issues in Chicana and Latina Studies	3
SOC 240	Introduction to Black Studies	3
SOC 250	Introduction to Pacific Studies	3

History, Constitution and American Ideals Requirement

All CSU campuses have a *graduation requirement* in History, Constitution and American Ideals. Students may be certified as completing this requirement by completing **one** course from Group I and **one** course from Group II; or by completing the course in Group III.

Group I

HIST 110	United States History to 1877	3
HIST 110H	United States History to 1877 (Honors)	3
HIST 116	History of the Americas to 1830	3
HIST 116H	History of the Americas to 1830 (Honors)	3
HIST 141	Mexican American History Through 1877	3
HIST 141H	Mexican American History Through 1877 (Honors)	3
HIST 145	African American History to 1877	3
HIST 145H	African American History to 1877 (Honors)	3

Group II

HIST 111	United States History Since 1877	3
HIST 111H	United States History Since 1877 (Honors)	3
HIST 117	History of the Americas Since 1830	3
HIST 117H	History of the Americas Since 1830 (Honors) (F'16)	3
HIST 142	Mexican American History Since 1877	3
HIST 142H	Mexican American History Since 1877 (Honors)	3
HIST 146	African American History Since 1877	3
HIST 146H	African American History Since 1877 (Honors)	3
HIST 165	California History	3

Group III

PLSC 102	American Institutions and History	4

These courses may be used to satisfy the Area D requirement.

AREA E—Lifelong Learning & Self-Development

Select **one** course. A minimum of 3 units is required.

BTEC 107	Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry	3
BUS 136	Human Relations in Business (F'13)	3
CHLD 113	Child and Adolescent Growth and Development (F'11)	3
CHLD 205	Health, Safety, and Nutrition (F'11)	3
CHLD 235	Children in a Diverse Society	3
COUN 100	College and Career Success	3
CSIT 165	Living in an Online World	3
GERO 101	Introduction to Aging (F'11)	3
HEAL 101	Principles of Health	3
HEAL 222	Stress Management (F'19)	3
INTR 100	Foundation Skills for the College Experience	3
LIBR 201	Media & Information Literacy (F'19)	3
LIBR 201H	Media & Information Literacy (Honors) (F'19)	3
NUTR 100	Nutrition Today	3
NUTR 100H	Nutrition Today (Honors)	3
NUTR 105	Human Performance and Sports Nutrition	3
NUTR 125	Nutrition and Aging	3
PSYC 100	Psychology of Personal Growth (F'11)	3
PSYC 115	Human Sexuality	3
PSYC 121	Human Development (F'11)	3
PSYC 145	Psychology/Sociology of the Family	3
PSYC 170	Psychology of Aging: Adult Development and Aging	3
SOC 145	Psychology/Sociology of the Family	3

AREA F—Ethnic Studies* *

A minimum of 3 units is required.

CCS/SOC 232	Critical Issues in Chicana and Latina Studies	3
ETHN/SOC 207	Race and Ethnic Relations	3

Important Information & Footnotes

This general education certification pattern can be subject to change year by year, but students are assured that courses taken to meet this pattern will be honored if they are approved for the academic year that the course is completed. Courses on this list are approved effective fall 2022 and are valid through summer 2023.

The approved courses on this pattern are those available at the time of catalog publication. For the complete course approval

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list, please see the catalog addendum, the class schedule, or the Articulation and Transfer Center webpages.

Certification of this general education pattern is not a CSU admission requirement except when students are completing an Associate Degree for Transfer to a California State University. Students are strongly advised to work with a MiraCosta College counselor to develop an educational plan that includes general education and major preparation coursework.

Credit will not be awarded for both the honors and non-honors version of a course.

Courses listed in two different areas may be used in either area but not both.

- * Consistent with CSU admission policies, MiraCosta College will certify courses in Area A or B4 that have been completed with a minimum grade of "C-" or better.
- () Course approved beginning semester and year indicated. Course taught on campus prior to CSU GE approval.
- # Laboratory course.
- ** Effective for students beginning **at MiraCosta or a CSU campus in fall 2021 and beyond**. Students with continuous enrollment (attendance in at least one semester per calendar year at a CSU or California Community College or a combination of the two) prior to fall 2021 may choose to complete the Plan B pattern without Area F and with 9 units from at least two different disciplines completed in Area D.

Plan C

Intersegmental General Education Transfer Curriculum (IGETC) for CSU and UC 2022-2023

AREA 1—English Composition

UC: Two courses are required. Select **one** course from Group 1A and **one** course from Group 1B.

CSU: Three courses are required. Select **one** course from each group (1A, 1B, and 1C).

1A. English Composition (a minimum of 3 semester units)

ENGL 100	Composition and Reading	4
ENGL 100H	Composition and Reading (Honors)	4

1B. Critical Thinking—English Composition (a minimum of 3 semester units)

ENGL 201	Critical Thinking, Composition, and Literature	4
ENGL 201H	Critical Thinking, Composition, and Literature (Honors)	4
ENGL 202	Critical Thinking and Composition	4
ENGL 202H	Critical Thinking and Composition (Honors)	4

1C. Oral Communication—CSU ONLY (a minimum of 3 semester units)

COMM 101	Public Speaking	3
COMM 106	Group Communication	3
COMM 207	Interpersonal Communication (F'10)	3

AREA 2A—Mathematical Concepts & Quantitative Reasoning

One course and a minimum of 3 semester units are required. Select **one** of the following courses:

BTEC 180	Biostatistics	4
BTEC 180H	Biostatistics (Honors)	4
BUS 204	Business Statistics	3
BUS 204H	Business Statistics (Honors)	3
CSIT 123	Introduction to Data Analytics	3
MATH 103	Statistics	4
MATH 103S	Statistics with Integrated Support (F'22)	5
MATH 112	Mathematical Analysis	3
MATH 115	Calculus with Applications	5
MATH 126	Pre-Calculus I: College Algebra	4
MATH 131	Pre-Calculus II: Trigonometry and Analytic Geometry	4
MATH 131H	Pre-Calculus II: Trigonometry and Analytic Geometry (Honors)	4
MATH 150	Calculus and Analytic Geometry I	5
MATH 150H	Calculus and Analytic Geometry I (Honors)	5
MATH 155	Calculus and Analytic Geometry II	4
MATH 155H	Calculus and Analytic Geometry II (Honors)	4
MATH 260	Calculus and Analytic Geometry III	4
MATH 260H	Calculus and Analytic Geometry III (Honors)	4
PSYC 104	Statistics for Behavioral Science	4
PSYC 104H	Statistics for Behavioral Science (Honors)	4
SOC 125	Introduction to Statistics in Sociology	4

AREA 3—Arts & Humanities

Three courses and a minimum of 9 semester units are required. Select **one** course from group 3A and **one** course from group 3B. Select a **third** course from either group 3A or 3B.

3A. Arts

ART 104	Artists & Designers Now	3
ART 157	Art Orientation	3
ART 158	Traditional Arts of Africa, Oceania, and the Americas	3
ART 159	Pre-Columbian Art	3
ART 159H	Pre-Columbian Art (Honors)	3
ART 201	Objects and Ideas in Contemporary Art	3
ART 234	Kinetic Art	3
ART 254	Understanding and Appreciating the Photographic Image	3

ART 258	Ancient to Gothic Art	3
ART 259	History of Renaissance to Modern Art	3
ART 260	History of Modern Art	3
ART 260H	History of Modern Art (Honors) (F'13)	3
ART 290	Landmarks of Art (F'13)	3
DESN 107	History of Western Architecture-A Sustainable Perspective	3
DESN 108	World Architecture	3
DNCE 100	Dance Appreciation	3
DNCE 100H	Dance Appreciation (Honors)	3
DNCE 101	Dance History	3
DNCE 101H	Dance History (Honors)	3
DNCE 105	Dance Cultures of the World	3
DNCE 105H	Dance Cultures of the World (Honors)	3
DRAM 105	Introduction to Theatre	3
DRAM 134	Introduction to Performance	3
DRAM 222	Introduction to Black Theater	3
FILM 101	Introduction to Film (F'10)	3
FILM 101H	Introduction to Film (Honors)	3
FILM 106	Study of Filmed Plays	3
FILM 111	Film History I: 1880-1945	3
FILM 111H	Film History I: 1880-1945 (Honors) (F'19)	3
FILM 112	Film History II: 1945-Present	3
FILM 112H	Film History II: 1945-Present (Honors) (F'19)	3
MAT 105	History of Graphic Design	3
MUS 112	American Popular Music (F'19)	3
MUS 113	The Music of America	3
MUS 114	History of Rock and Roll (F'09)	3
MUS 115	History of Classical Music	3
MUS 116	A Survey of World Music	3
MUS 119	Jazz History	3
MUS 119H	Jazz History (Honors)	3

3B. Humanities

ART 159	Pre-Columbian Art	3
ART 159H	Pre-Columbian Art (Honors)	3
CCS 232	Critical Issues in Chicana and Latina Studies	3
COMM 215	Intercultural Communication	3
DESN 108	World Architecture	3
DNCE 104	Dance on Film	3
FILM 111	Film History I: 1880-1945	3
FILM 111H	Film History I: 1880-1945 (Honors) (F'19)	3
FILM 112	Film History II: 1945-Present	3
FILM 112H	Film History II: 1945-Present (Honors) (F'19)	3
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3
FILM 211H	Identity and Film: Race, Class, Gender and Sexuality (Honors) (F'19)	3

FILM 212	Women and Film: Representation and Impact	3
FILM 212H	Women and Film: Representation and Impact (Honors) (F'19)	3
FREN 121	Introduction to French Culture (F'19)	3
FREN 201	Intermediate French (Third Semester)	4
FREN 202	Intermediate French (Fourth Semester)	4
GRMN 121	Introduction to German Culture	3
GRMN 201	Intermediate German (Third Semester)	4
HIST 100	World History to 1500 (F'11)	3
HIST 100H	World History to 1500 (Honors)	3
HIST 101	World History Since 1500 (F'11)	3
HIST 101H	World History Since 1500 (Honors) (F'11)	3
HIST 103	Early European History and Culture	3
HIST 103H	Early European History and Culture (Honors)	3
HIST 104	Modern European History and Culture	3
HIST 104H	Modern European History and Culture (Honors)	3
HIST 115	Women in American History	3
HIST 115H	Women in American History (Honors)	3
HUMN 101	Introduction to the Arts	3
HUMN 101H	Introduction to the Arts (Honors)	3
HUMN 201	Cultural Eras in the Humanities: Prehistory to 1600	3
HUMN 202	Humanities of the Western World: The Renaissance to the Twentieth Century	3
HUMN 205	Women in Western Art and Literature	3
ITAL 121	Introduction to Italian Culture	3
ITAL 201	Intermediate Italian (Third Semester)	4
ITAL 202	Intermediate Italian (Fourth Semester)	4
JAPN 121	Introduction to Japanese Culture	3
JAPN 201	Intermediate Japanese (Third Semester)	4
JAPN 202	Intermediate Japanese (Fourth Semester)	4
JAPN 210	Intermediate Conversation I and Reading (F'16)	3
LIT 101	Introduction to Asian American Literature	3
LIT 120	Introduction to Literature	3
LIT 122	Introduction to African American Literature (F'22)	3
LIT 250	American Literature: First Contact Through the Civil War	3
LIT 250H	American Literature: First Contact Through the Civil War (Honors)	3

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LIT 251	American Literature: Mid-1800s to the Present	3
LIT 251H	American Literature: Mid-1800s to the Present (Honors)	3
LIT 260	English Literature Through the 18th Century	3
LIT 260H	English Literature Through the 18th Century (Honors)	3
LIT 261	English Literature: Romantic to Contemporary	3
LIT 261H	English Literature: Romantic to Contemporary (Honors)	3
LIT 265	Shakespeare Studies	3
LIT 265H	Shakespeare Studies (Honors)	3
LIT 270	World Literature to 1600	3
LIT 270H	World Literature to 1600 (Honors)	3
LIT 271	World Literature Since 1600	3
MAT 105	History of Graphic Design	3
PHIL 101	Introduction to Philosophy: Knowledge and Reality	3
PHIL 101H	Introduction to Philosophy: Knowledge and Reality (Honors)	3
PHIL 102	Contemporary Moral Problems	3
PHIL 221	Philosophy of Religion	3
RELG 101	World Religions	3
RELG 101H	World Religions (Honors) (F'19)	3
RELG 103	Religion in America (F'19)	3
RELG 105	Eastern Religions	3
SOC 232	Critical Issues in Chicana and Latina Studies	3
SPAN 201	Intermediate Spanish (Third Semester)	4
SPAN 202	Intermediate Spanish (Fourth Semester)	4
SPAN 205	Hispanic Film, Literature, and Composition	3
SPAN 221	Spanish for Native Speakers	4

AREA 4—Social & Behavioral Sciences

Three courses and a minimum of 9 semester units are required. Select **three** courses from at least **two** disciplines.

ADM 100	Introduction to the Administration of Justice	3
ADM 100H	Introduction to the Administration of Justice (Honors)	3
ADM 200	Concepts of Criminal Law (F'11)	3
ANTH 102	Cultural Anthropology	3
ANTH 102H	Cultural Anthropology (Honors)	3
ANTH 103	Introduction to Archaeology (F'16)	3
ANTH 104	Native American Cultures	3
ANTH 105	Evolution of Human Behavior	3
ANTH 105H	Evolution of Human Behavior (Honors)	3
ANTH 107	Gender, Sex, and Sexuality (F'19)	3
ANTH 190	Primate Behavior and Ecology	3

ANTH 190H	Primate Behavior and Ecology (Honors) (F'19)	3
BLST 240	Introduction to Black Studies	3
CCS 230	Introduction to Chicana/o Studies	3
CCS 232	Critical Issues in Chicana and Latina Studies	3
CHLD 112	Child Growth and Development (F'22)	3
CHLD 113	Child and Adolescent Growth and Development (F'11)	3
CHLD 210	Child, Family, and Community (F'11)	3
CHLD 235	Children in a Diverse Society	3
COMM 120	Principles of Human Communication	3
COMM 135	Gender Studies in Communication	3
COMM 220	Introduction to Mass Communication	3
CSIT 160	Technology, the Individual, and Society	3
CSIT 165	Living in an Online World	3
ECON 100	Survey of Economics	3
ECON 101	Principles of Economics: MACRO	3
ECON 102	Principles of Economics: MICRO	3
ETHN 207	Race and Ethnic Relations	3
GEOG 102	Cultural Geography	3
GEOG 104	World Geography	3
GEOG 108	Environmental Sustainability and Society	3
GERO 101	Introduction to Aging	3
GERO 250	Intergenerational Issues	3
HIST 100	World History to 1500	3
HIST 100H	World History to 1500 (Honors)	3
HIST 101	World History Since 1500	3
HIST 101H	World History Since 1500 (Honors)	3
HIST 102	History of the Modern Middle East	3
HIST 102H	History of the Modern Middle East (Honors)	3
HIST 105	History of England	3
HIST 105H	History of England (Honors)	3
HIST 106	History of Technology	3
HIST 106H	History of Technology (Honors)	3
HIST 107	East Asian Societies	3
HIST 110	United States History to 1877	3
HIST 110H	United States History to 1877 (Honors)	3
HIST 111	United States History Since 1877	3
HIST 111H	United States History Since 1877 (Honors)	3
HIST 113	American Military History	3
HIST 113H	American Military History (Honors)	3
HIST 115	Women in American History	3
HIST 115H	Women in American History (Honors)	3
HIST 116	History of the Americas to 1830	3
HIST 116H	History of the Americas to 1830 (Honors)	3

HIST 117	History of the Americas Since 1830	3
HIST 117H	History of the Americas Since 1830 (Honors)	3
HIST 141	Mexican American History Through 1877 (F'10)	3
HIST 141H	Mexican American History Through 1877 (Honors)	3
HIST 142	Mexican American History Since 1877 (F'10)	3
HIST 142H	Mexican American History Since 1877 (Honors)	3
HIST 145	African American History to 1877 (F'10)	3
HIST 145H	African American History to 1877 (Honors)	3
HIST 146	African American History Since 1877 (F'10)	3
HIST 146H	African American History Since 1877 (Honors)	3
HIST 165	California History	3
NUTR 108	Cultural Aspects of Foods and Nutrition	3
PLSC 101	Introduction to Political Science	3
PLSC 101H	Introduction to Political Science (Honors)	3
PLSC 102	American Institutions and History (F'09)	4
PLSC 103	Comparative Government	3
PLSC 150	Introduction to International Relations	3
PSYC 100	Psychology of Personal Growth	3
PSYC 101	General Psychology	3
PSYC 101H	General Psychology (Honors)	3
PSYC 103	Social Psychology	3
PSYC 114	Abnormal Psychology (F'19)	3
PSYC 115	Human Sexuality (F'12)	3
PSYC 121	Human Development	3
PSYC 125	Psychology of Women	3
PSYC 145	Psychology/Sociology of the Family (F'11)	3
PSYC 170	Psychology of Aging: Adult Development and Aging	3
PSYC 211	Learning and Behavior Modification (F'14)	3
SOC 101	Introduction to Sociology	3
SOC 101H	Introduction to Sociology (Honors)	3
SOC 102	Contemporary Social Problems	3
SOC 103	Social Psychology	3
SOC 105	Introduction to Justice Studies	3
SOC 120	Introduction to Women's Studies (F'10)	3
SOC 130	Introduction to Gender Studies	3
SOC 140	Introduction to LGBT Studies	3
SOC 145	Psychology/Sociology of the Family (F'11)	3
SOC 207	Race and Ethnic Relations (F'10)	3

SOC 230	Introduction to Chicana/o Studies	3
SOC 232	Critical Issues in Chicana and Latina Studies	3
SOC 240	Introduction to Black Studies	3
SOC 250	Introduction to Pacific Studies	3

AREA 5—Physical & Biological Sciences

Two courses and a minimum of 7 semester units are required. Select **one** course from group A and **one** course from group B. One course must include a corresponding laboratory. (Lab courses are noted with the # symbol.)

5A. Physical Science

ASTR 101	Descriptive Astronomy	3
ASTR 101L	Descriptive Astronomy Laboratory #	1
ASTR 120	Life in the Universe (F'13)	3
ASTR 201	Introductory Astronomy	3
CHEM 103	Chemistry and Society: For Non-Science Majors (F'19)	3
CHEM 103L	Chemistry and Society: For Non-Science Majors (Lab) (F'19) #	1
CHEM 112	Introductory General, Organic, and Biological Chemistry: For Allied Health Majors #	5
CHEM 115	Introductory General Chemistry: For Allied Health Majors #	4
CHEM 115H	Introductory General Chemistry: For Allied Health Majors (Honors) #	4
CHEM 116	Introductory Organic and Biological Chemistry: For Allied Health Majors #	4
CHEM 140	Preparation for General Chemistry: For Science Majors #	4
CHEM 150	General Chemistry I: For Science Majors #	5
CHEM 150H	General Chemistry I: For Science Majors (Honors) #	5
CHEM 151	General Chemistry II: For Science Majors #	5
CHEM 151H	General Chemistry II: For Science Majors (Honors) #	5
EART 106	Earth and Space Science	3
GEOG 101	Physical Geography	3
GEOG 101L	Physical Geography Laboratory #	1
GEOL 101	Physical Geology	3
GEOL 101H	Physical Geology (Honors)	3
GEOL 101L	Physical Geology Laboratory #	1
NUTR 120	Principles of Food Science with Lab (F'22) #	3
OCEA 101	Introduction to Oceanography	3
OCEA 101H	Introduction to Oceanography (Honors)	3
OCEA 101L	Introductory Oceanography Laboratory #	1
PHSN 106	Introduction to Physical Science: Physics and Chemistry	3
PHSN 108	Introduction to Climate Change	3

PHSN 108H	Introduction to Climate Change (Honors)	3
PHYS 111	Introductory Physics I [#]	4
PHYS 112	Introductory Physics II [#]	4
PHYS 151	Principles of Physics I [#]	4
PHYS 151H	Principles of Physics I (Honors) [#]	4
PHYS 152	Principles of Physics II [#]	4
PHYS 152H	Principles of Physics II (Honors) [#]	4
PHYS 253	Principles of Physics III [#]	4
PHYS 253H	Principles of Physics III (Honors) [#]	4

5B. Biological Science

ANTH 101	Biological Anthropology	3
ANTH 101H	Biological Anthropology (Honors)	3
ANTH 101L	Biological Anthropology Laboratory [#]	1
ANTH 101LH	Biological Anthropology Lab (Honors) [#]	1
ANTH 105	Evolution of Human Behavior	3
ANTH 105H	Evolution of Human Behavior (Honors)	3
ANTH 190	Primate Behavior and Ecology (F'19)	3
ANTH 190H	Primate Behavior and Ecology (Honors) (F'19)	3
BIO 102	Introductory Biology: Ecology and Environmental Biology [#]	4
BIO 103	Introductory Biology: Animal Diversity	3
BIO 104	Introductory Biology: Botany (Plant Life) [#]	4
BIO 105	Introductory Biology: Biotechnology in Society	3
BIO 106	Introductory Biology: Infectious Diseases—A Global Concern	3
BIO 107	Introductory Biology: Marine Biology [#]	4
BIO 108	Introductory Biology: Ecology of the Oceans	3
BIO 109	Introductory Biology: The Fundamentals of Life on Earth [#]	4
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab) [#]	4
BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	3
BIO 111L	Introductory Biology: Preparation for Pre-Health Professions (Lab) [#]	1
BIO 202	Foundations of Biology: Evolution, Biodiversity, and Organismal Biology [#]	4
BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology [#]	4
BIO 204H	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology (Honors) [#]	4
BIO 220	Human Physiology [#]	4
BIO 230	Introduction to Microbiology (F'19) [#]	5

BTEC 108	Biomanufacturing: From Gene to Product [#]	3
BTEC 108H	Biomanufacturing: From Gene to Product (Honors) [#]	3
HORT 115	Soil Science (F'16) [#]	3
HORT 116	Plant Science (F'10) [#]	4
PSYC 260	Physiological Psychology	3

5C. Laboratory Activity: This requirement may be met by the completion of any lab course that corresponds to a lecture course found above in 5A or 5B (noted by the # symbol).

AREA 6—Language Other Than English (UC only)

This proficiency may be met by having completed two years of high school course work in a language other than English with a "C-"* or better or by selecting **one** of the following courses: (Note: Advanced language courses beyond the first semester may meet this proficiency. Please see ASSIST.org.)

FREN 101	Elementary French (First Semester)	4
GRMN 101	Elementary German (First Semester)	4
ITAL 101	Elementary Italian (First Semester)	4
ITAL 103	Elementary Italian for Spanish Speakers (First Semester)	4
JAPN 101	Elementary Japanese (First Semester)	4
SPAN 101	Elementary Spanish (First Semester)	4
SPAN 221	Spanish for Native Speakers	4

CSU Graduation Requirement in History, Constitution and American Ideals

All CSU campuses have a *graduation requirement* in History, Constitution and American Ideals. Students may be certified as completing this requirement by completing **one** course from Group I and **one** course from Group II; or by completing the course from Group III.

Group I

HIST 110	United States History to 1877 (or 110H)	3
HIST 110H	United States History to 1877 (Honors) (or 110)	3
HIST 116	History of the Americas to 1830	3
HIST 116H	History of the Americas to 1830 (Honors)	3
HIST 141	Mexican American History Through 1877	3
HIST 141H	Mexican American History Through 1877 (Honors)	3
HIST 145	African American History to 1877	3
HIST 145H	African American History to 1877 (Honors)	3

Group II

HIST 111	United States History Since 1877	3
HIST 111H	United States History Since 1877 (Honors)	3
HIST 117	History of the Americas Since 1830	3

HIST 117H	History of the Americas Since 1830 (Honors) (F'16)	3
HIST 142	Mexican American History Since 1877	3
HIST 142H	Mexican American History Since 1877 (Honors)	3
HIST 146	African American History Since 1877	3
HIST 146H	African American History Since 1877 (Honors)	3
HIST 165	California History	3

Group III

PLSC 102	American Institutions and History	4

These courses may be used to partially satisfy the Area 4 requirement.

Important Information & Footnotes

This general education certification pattern can be subject to change year by year, but students are assured that courses taken to meet this pattern will be honored if they are approved for the academic year that the course is completed. Courses on this list are approved effective fall 2022 and are valid through summer 2023.

The approved courses on this pattern are those available at the time of catalog publication. For the complete course approval list, please see the catalog addendum, the class schedule, or the Articulation and Transfer Center webpages.

All courses on IGETC must be completed with a "C" or better. A "P" (Pass) is acceptable, but UC permits no more than 14 semester transferable units to be completed on a pass/no pass basis.

UC credit may be limited for some courses. For example, no credit is given for an introductory course if it is taken after a more advanced college course. Credit may also be limited for courses with overlapping content. In addition, duplicate credit will not be awarded for the honors and non-honors versions of a course. UC credit limitations are noted on the catalog course descriptions.

IGETC is not a UC admission requirement but is advantageous to most transfer students. Students are strongly encouraged to work with a MiraCosta College counselor to develop an educational plan that includes general education and major preparation coursework specific to the intended UC campus. Certification of IGETC, including Area 1C, Oral Communication, is an admission requirement for the California State University system when students are completing an Associate Degree for Transfer and using IGETC to fulfill the general education component of this degree.

- * Grades of "C-" are not acceptable except for high school language courses.
- () Course approved beginning semester and year indicated. Course taught on campus prior to IGETC approval.
- # Laboratory course.

Certificate Requirements

Certificates of Achievement

Certificates of achievement are designed to prepare students for employment in specific career areas. In developing certificates, MiraCosta faculty collaborate with employers who describe the knowledge, skills, and competencies needed for success in all aspects of a trade or occupation. Students should have basic knowledge in reading, writing, and math to master the work and to advance in the occupation they select.

Federal regulations require colleges to disclose certain information to prospective students about certificate programs that lead to employment. This "gainful employment" information includes the estimated cost and length of time it takes for students to complete each program. MiraCosta's gainful employment information is available on the Instructional Services webpage.

The certificates of achievement students can earn at MiraCosta College are identified on the Degree & Certificate Programs (p. 62) table. The total units required for a certificate of achievement varies with each discipline. Course requirements for specific certificates are listed alphabetically by subject under Areas of Study & Courses.

The college's academic counselors are available to help students develop a personalized educational plan that outlines the coursework term-by-term that is required to complete the student's chosen program of study. Once a student's educational plan is completed, they can access it wherever they can access their SURF account. Additionally, many certificates of achievement can be used to satisfy associate degree major requirements. MiraCosta counselors can help interested students review the degree requirements and supplement certificate courses with appropriate general education courses.

To obtain a certificate of achievement, students must earn a minimum grade of "C" or "P" or better in each course counted toward the certificate (with the exception that CSU GE and IGETC certificates will be awarded according to CSU/UC policies). Courses completed with a C- from U.S. regionally accredited colleges may be used to complete this requirement. Students are eligible to receive certificates of achievement with honors if they earn a grade point average of 3.00-3.49. Certificates of achievement with highest honors are awarded to students with grade point averages of 3.50-4.00.

Certificates of Proficiency

Certificates of proficiency are short-term certificates requiring fewer than 16 units of coursework that introduce students to one aspect of a trade or occupation. A certificate of proficiency is a good choice for students who wish to test a potential career area, who want to be competitive for entry-level jobs in one part of an industry, or who prefer to enter the industry and pursue further education in that field after they start working. The certificates of proficiency students may earn at MiraCosta College are identified on the Degree & Certificate Programs

Degrees & Certificates

(p. 62) table. Course requirements for specific certificates are listed alphabetically by subject under Areas of Study & Courses.

Certificates of proficiency are designed to prepare students for the first step in a career ladder. In some cases, the courses completed for these certificates can also be applied toward a certificate of achievement and/or an associate degree. MiraCosta's academic counselors can help interested students review the additional requirements and develop a personalized plan that leads to that educational goal.

Eligibility for certificates of proficiency includes earning a minimum grade of "C" or "P" in every course. Courses completed with a C- from U.S. regionally accredited colleges may be used to complete this requirement. Additionally, at least six units or the maximum number of units required for the certificate, whichever is less, must be completed in residence at MiraCosta College.

Certificates of proficiency are not noted on student transcripts. To apply for a certificate of proficiency, students should obtain the appropriate form online or from the Instructional Services Office.

Graduation & Commencement

Applying for a Degree or Certificate of Achievement

Students completing degree or certificate of achievement requirements should submit a petition by the 30 percent deadline of their final semester or session. Petition deadlines are:

- ▶ **Fall 2022: September 26, 2022**
- ▶ **Spring 2023: February 27, 2023**

Official transcripts from all colleges attended (or concurrently attending), approved substitutions, waivers, and external exam reports (AP/IB/CLEP) must be on file in the Admissions and Records Office before submitting a petition for a degree or certificate of achievement. Petitions submitted after the deadline are automatically processed in the subsequent semester.

Commencement

The MiraCosta College commencement ceremony is held once a year near the end of May. Fall graduates, spring candidates, and summer candidates are eligible to participate in the commencement ceremony provided they submit a graduation petition for a degree or certificate. Students who are eligible to attend the ceremony will receive information about participating from the Student Life and Leadership Office in March.

Transferring Coursework

Transfer Center Services

Oceanside, Building 3700: 760.795.6880

<https://www.miracosta.edu/student-services/transfer-center/index.html>

Recommendations for Transfer Students

The MiraCosta College Transfer Center provides students with all of the tools they need to navigate the transfer process. This process can sometimes seem complex because the requirements and application timelines can differ depending on where a student chooses to transfer and the major they decide on.

The Transfer Center offers workshops and provides appointments with university representatives. For the most comprehensive assistance, the Transfer Center encourages students to develop an educational plan with a counselor and to monitor that plan with their counselor as they move toward their transfer goal.

Students interested in attending graduate school to pursue a post-bachelor's degree can find important resources in the Transfer Center to assist them with their goals. These students should visit the website and select Graduate School Information. Transfer Center counselors are available to assist students individually by appointment. The counselors will review graduate school admission requirements and discuss how to prepare while still at the community college level.

Students considering a transfer path should take the following steps:

- ▶ Complete required math and English courses as soon as possible, especially if skill development is needed prior to eligibility for transfer-level courses.
- ▶ See a counselor within the first semester at MiraCosta to make sure necessary preparation-for-the-major, general education, and admission requirements are understood. Request a written educational plan. Counseling faculty are available to assist students who need help selecting a major and/or a transfer university.
- ▶ Select a major-preparation course over a general education course when there is a conflict in scheduling. Many major-preparation courses are part of a sequence and may not be offered every semester, whereas general education courses are frequently offered each semester and during the summer.
- ▶ Visit the intended transfer college's website to research major and other transfer opportunities.
- ▶ Attend a campus tour and orientation session at the transfer university. Tours and orientation sessions provide a great way to learn about different campuses and to meet with department advisers.
- ▶ Submit applications to more than one college or university (unless the student is participating in a transfer admission guarantee program). Be aware of admission application filing dates. Visit the application website for information:
 - ▶ UC online application website: www.universityofcalifornia.edu/admissions
 - ▶ CSU online application website: www.csumentor.edu

- ▶ Check application status at the transfer school's website to ensure application materials have been received; follow up if any problems are detected. Respond immediately if contacted with any questions.
- ▶ If eligible, apply for an associate degree within the first 6 weeks of the student's last semester at MiraCosta (for eligibility requirements, see Associate Degrees (p. 67)).

2022 Transfer Center Calendar

July 1-31	Admission Application Filing Period for UC Winter Quarter (if UC campus is accepting applications)
Aug. 1-31	Admission Application Filing Period for CSU Spring Semester (if CSU campus is accepting applications)
Sept. 1-30	UC Transfer Admission Guarantee (TAG) filing period
Oct. 1-Nov. 30	CSU and UC Application Workshops (Contact the Transfer Center for dates and times)
Oct. 1-Nov. 30	Admission Application Filing Period for CSU (Fall Semester/Quarter)
Oct. 1-Nov. 30	Admission Application Filing Period for UC (Fall Semester/Quarter)

All dates above are subject to change. Information is based on data available as of May 2022.

Transfer Options

MiraCosta College students who wish to complete a bachelor's degree have the opportunity to transfer to a variety of public and private/independent colleges and universities both in California and out-of-state. The public institutions MiraCosta students can transfer to are the University of California (UC) and California State University (CSU).

MiraCosta's curriculum is designed to prepare students to transfer to four-year colleges or universities by providing instruction in lower-division general education coursework and preparatory courses for specific majors. Courses that can be used to satisfy general education and major preparation requirements at specific UC and CSU campuses can be found on the ASSIST website at www.assist.org. As the official repository of articulation for California's colleges and universities, ASSIST provides the most accurate and up-to-date information available about student transfer in California.

As soon as possible after registering at MiraCosta, students should choose the specific major area they wish to pursue and the four-year public or private college or university they wish to attend. The college's academic counselors are available to help students make these important decisions and become aware of the entrance and graduation requirements that are specific to their desired transfer institution.

MiraCosta's academic counselors are also available to help students develop a personalized educational plan. By outlining the coursework required to complete the student's educational goal or program of study, an educational plan

helps students avoid taking unnecessary courses, which can waste time and money. As a term-by-term roadmap that leads to an educational goal, the "ed plan" ensures students take transferable courses that will satisfy general education and major-preparation requirements. Once a student's educational plan is completed, they can access it wherever they can access their SURF account.

Please see the Transfer Center Services page for specific recommendations about how to pursue transfer as your educational goal.

CSU Transfer

The California State University (CSU) system has 23 campuses across the state. The CSU offers students the choice of more than 1,800 bachelor's and master's degree programs in 240 subject areas. These campuses and the majors they offer are described on the California State University Apply website at www2.calstate.edu/apply/choosing-a-campus.

To obtain a bachelor's degree from a CSU campus, students must complete a minimum of 120 semester units (180 quarter units). A maximum of 70 units of transferable credit will be accepted for courses completed at MiraCosta or any California community college. The transfer status of MiraCosta College courses is noted in their catalog course descriptions (see How to Read Course Descriptions (p. 102)). This information can also be found on the ASSIST website at www.assist.org. ASSIST is the official transfer and articulation system for California's public colleges and universities.

Minimum Transfer Requirements

The majority of community college students enter the CSU as upper-division transfer students. In order to be eligible to transfer to the CSU, students must meet the minimum requirements described below.

Upper-Division Transfer Minimum Eligibility Requirements

To be admitted to the CSU as an upper-division transfer student, the student must

- ▶ have completed a minimum of 60 semester or 90 quarter units of transferable coursework;
- ▶ have an overall college GPA of at least 2.0 in all transferable units attempted (note: In high-demand majors and campuses, a GPA of 2.0 may not be sufficient to be admitted.);
- ▶ be in good standing at the last college or university attended (i.e., the student is eligible to re-enroll);
- ▶ have completed four general education courses in the areas of written communication, oral communication, critical thinking, and mathematics/quantitative reasoning with a "C-" or better; and
- ▶ have completed additional courses that fulfill lower-division general education breadth requirements.

Lower-Division Transfer Minimum Eligibility Requirements

Due to enrollment demands, most CSU campuses restrict or prohibit the admission of lower-division transfer students who have earned fewer than 60 transferable semester units (90 quarter units). However, campuses may accept applications from lower-division students who are applying to science, technology, engineering, or mathematics majors if they

- ▶ have a college grade point average of 2.0 or better in all transferable college units attempted;
- ▶ are in good standing at the last college or university attended (i.e., they are eligible to re-enroll);
- ▶ meet the Eligibility Index required of a first-time freshman (www2.calstate.edu/apply/eligibility-index); and
- ▶ meet the college-preparatory course requirements for a first-time freshman or have successfully completed necessary courses to make up any deficiencies in high school records.

Note: Most CSU campuses will not accept lower-division transfer students.

Associate Degree for Transfer (ADT) Programs

California community college students who earn an Associate Degree for Transfer (AS-T or AA-T) are granted priority admission to the CSU into a similar baccalaureate degree program with a guarantee of junior standing as long as the student meets all prescribed admission requirements. Degrees that are deemed similar at specific CSU campuses can be found on the CSU Associate Degree for Transfer Major & Campus Search website at www2.calstate.edu/apply/transfer/Pages/associate-degree-for-transfer-major-and-campus-search. Once admitted, students are required to complete no more than 60 additional prescribed units to qualify for the similar baccalaureate degree.

An ADT does not guarantee a student admission to any CSU campus, but it does give a student priority-admission consideration to a CSU campus offering a degree that has been deemed similar to a major on a CSU campus. Additionally, the cumulative grade point average (GPA) will be increased by 0.1, and this "calculated GPA" will be applied to the major-specific minimum GPA and to any GPA used in the ranking of applicants.

The local CSU campus for MiraCosta students is California State University San Marcos (CSUSM). CSUSM gives priority admission consideration, including the 0.1 GPA bump, to MiraCosta students who have completed an ADT that has been deemed similar to a major on that campus. Students considering transfer to CSUSM or other CSU campuses are strongly encouraged to consult with a MiraCosta College academic counselor to determine the most appropriate and efficient pathway to transfer.

Courses from other U.S. regionally accredited colleges will be reviewed for placement on an ADT based on existing C-ID numbers and/or course comparability to the transfer model curriculum template developed by the California Community Colleges Chancellor's Office.

Transferring Coursework

The ADTs offered by MiraCosta are listed under Associate Degree for Transfer Requirements (p. 68) in this catalog and on the MiraCosta College articulation website at <https://www.miracosta.edu/student-services/articulation/index.html>. Information about ADTs offered at all community colleges can be found on the I Can Go to College website at <https://icangotocollege.com/associate-degree-for-transfer?sitekey=adegree&sitekey=adegree>.

Advanced Placement, International Baccalaureate, and College Level Examination Program Credit

Advanced Placement (AP), International Baccalaureate (IB), and College Level Examination Program (CLEP) credit can be used to satisfy the required 60 transferable units. The Advanced Placement Guide (p. 34), International Baccalaureate Guide (p. 37), and College Level Examination Program Guide (p. 38) identify which exams can be used for general education credit and CSU admission units.

Impacted Programs

An undergraduate major, program, or campus is designated as impacted when there are more eligible applicants than there are available spaces. Impacted majors, programs, or campuses are authorized to use supplementary admissions criteria to screen applicants, such as the following:

- ▶ Completing specific courses
- ▶ Earning a specific grade point average
- ▶ Meeting advance application deadlines
- ▶ Participating in interviews or special evaluations.

The list of impacted programs may vary from year to year, as majors are added and deleted frequently. Also, a major impacted at one campus may be open at another; therefore, students should consult www.assist.org, a MiraCosta counselor, or a representative at their intended transfer campus to receive updated information about impacted majors.

Transfer Planning

As soon as possible after registering at MiraCosta College, students whose educational goal includes transferring to a CSU campus should meet with a MiraCosta College academic counselor to develop an appropriate educational plan. An "ed plan" is a term-by-term guide that consists of the **general education courses, major preparation courses,** and any **transferable elective courses** that are required by the student's desired CSU transfer destination. The college's academic counselors will also ensure students are aware of CSU application deadlines as well as the entrance and graduation requirements that are specific to their desired transfer institution.

General Education Requirements: CSU GE-Breadth Courses (Plan B)

All students obtaining a bachelor's degree from a CSU campus must satisfy general education (GE) requirements. A minimum of 48 semester units of GE is required: 39 units of lower-division and 9 units of upper-division courses. All of the lower-division GE courses may be completed at MiraCosta before students

transfer to a CSU campus. To satisfy the GE requirements, students must take specified courses in the following areas:

Area A — English Language Communication and Critical Thinking

Area B — Scientific Inquiry and Quantitative Reasoning

Area C — Arts and Humanities

Area D — Social Sciences

Area E — Lifelong Learning and Self-Development

Area F — Ethnic Studies

This pattern of courses, called CSU GE-Breadth, is illustrated on Plan B (p. 76). Students may also choose to complete the Intersegmental General Education Transfer Curriculum (IGETC) pattern of courses, illustrated on Plan C (p. 82), to complete CSU general education requirements.

Major Preparation

Students need to identify a major and complete the required admission courses for that major. MiraCosta has articulation agreements with most CSU campuses. These agreements, which can be viewed at www.assist.org, tell students which courses at MiraCosta can satisfy a major requirement at a CSU campus. The Associate Degree for Transfer will also specify coursework that will be acceptable as major preparation at participating CSU campuses and may be used in lieu of published articulation agreements.

At some CSU campuses, the required GPA in these major preparation courses may be higher than the admission criteria GPA. And at some CSU campuses, completion of all major preparation courses will make an applicant much more competitive in the admission's process.

Transferable Electives

If additional units are needed to meet the 60-unit admission requirement, students can complete transferable elective courses. Students may explore areas of interest through any coursework at MiraCosta as long as the course is designated as CSU transferable. The course descriptions in the college catalog and schedule of classes indicate this designation where it applies.

History, Constitution, and American Ideals

All CSU campuses have a graduation requirement known as History, Constitution, and American Ideals. Students may be certified as completing this requirement at MiraCosta by completing one of the five groups of classes listed on Plan B (p. 76).

CSU GE-Breadth Certification

MiraCosta College is authorized to certify a minimum of 39 lower-division general education units. Certification means the CSU will accept the courses approved to meet the CSU GE-Breadth areas on Plan B (p. 76). Students should request certification of coursework that meets CSU GE-Breadth requirements because certification ensures students will not be

asked to complete additional lower-division GE courses after they transfer.

MiraCosta can certify each subject area or the whole pattern. Students may apply for full or partial certification at the MiraCosta Admissions and Records Office at the time they request a transcript be sent to a CSU campus. The specific rules that apply for CSU GE-Breadth Certification are as follows:

- ▶ All courses taken in Areas A and B4 must be completed with a grade of "C" or better. A grade of "P" (Pass) is acceptable if it is equivalent to a grade of "C" or higher at the institution where the work was completed. Acceptable courses from non-California community colleges may be completed with a minimum grade of "C-" in these areas.
- ▶ Courses taken at another California community college will be applied to the subject areas in which they are listed at the institution where the work was completed.
- ▶ A course taken at a United States regionally accredited institution (which does not maintain a CSU GE-Breadth certification list) may be approved for certification if that course is equivalent to a MiraCosta College course or it has been approved for general education in a comparable category at the institution where the work was completed.
- ▶ Courses completed at foreign institutions are not acceptable for CSU GE-Breadth certification.

After transfer to a CSU campus, students will need to complete the nine additional GE units that are taught at the upper-division level.

Certificate of Achievement in CSU General Education

Students who complete the entire CSU GE-Breadth certification pattern of courses are eligible to receive a Certificate of Achievement in CSU General Education. These courses, which satisfy lower-division GE requirements to any CSU campus, are listed on Plan B (p. 76). *(Note: This program may not be appropriate for some high unit majors in science, technical, engineering or math disciplines, so students should consult with a MiraCosta College counselor to develop an appropriate educational plan for their intended major and CSU campus.)*

UC Transfer

The University of California (UC) system includes nine undergraduate campuses across California. They are located in the following areas: Berkeley, Davis, Irvine, Los Angeles, Merced, Riverside, San Diego, Santa Barbara, and Santa Cruz. These campuses and the majors they offer are described on the University of California Admissions website at www.universityofcalifornia.edu/admissions.

To obtain a bachelor's degree from the UC, a student must complete a minimum of 120 semester units (180 quarter units). A maximum of 70 units of transferable credit toward a bachelor's degree will be accepted for courses completed at any or all California community colleges. The transfer status

of MiraCosta College courses is noted in their catalog course descriptions (see How to Read Course Descriptions (p. 102)).

The UC may limit the amount of credit received for some courses. For example, no credit will be given for an introductory course if it is taken after a more advanced course, credit may be limited for courses with overlapping content, and duplicate credit will not be awarded for both the honors and non-honors version of a course. The UC credit limitations that apply to MiraCosta College courses are identified in their catalog course descriptions.

Priority Eligibility for Transfer Students

The UC will consider a student a transfer applicant if they enrolled in a regular session at a college or university, except while in high school or summer session, immediately following high school.

Students who transfer to a UC campus from MiraCosta or any California community college with 60 transferable units are given priority over all other transfer applicants, including those from four-year institutions, if they meet **all** of the following criteria:

- ▶ They were enrolled at one or more of the California community colleges for at least two terms (excluding summer session).
- ▶ The last college they attended prior to enrollment at a UC campus was a California community college (excluding summer session).
- ▶ They have at least 30 semester UC transferable units at one or more community colleges.

Upper-Division Transfer Admission

The vast majority of students transfer to the UC as upper-division transfer students. Students must fulfill both of the following criteria for upper-division transfer eligibility:

- ▶ Complete 60 semester (90 quarter) units of transferable college credit with at least a 2.4 GPA. No more than 14 semester (21 quarter) units may be taken "P/NP" (Pass/No Pass).*
- ▶ Complete the following requirements, earning a grade of "C" or better in each course:
 - ▶ Two transferable college courses (3 semester or 4–5 quarter units each) in English composition
 - ▶ One transferable college course (3 semester or 4–5 quarter units) in mathematical concepts and quantitative reasoning
 - ▶ Four transferable college courses (3 semester or 4–5 quarter units each) chosen from at least two of the following subject areas: arts and humanities, social and behavioral sciences, and physical and biological sciences.

Note: Students who complete 60 transferable units that include the Intersegmental General Education Transfer Curriculum

(IGETC) will meet the minimum admission requirements described above.

*Meeting the minimum transfer admissions eligibility requirements does not guarantee admission to the major and UC campus of the student's choice. Most UC campuses require a higher GPA for admission and for major-preparation courses. In cases where there are more eligible applicants than transfer openings, applicants with the strongest academic preparation are given priority. To learn more about requirements that can be met to make an applicant more competitive for admission to a specific UC campus as well as important application deadlines, students should meet with a MiraCosta College counselor, visit the Transfer Center, or review information available on the University of California Admissions website at www.universityofcalifornia.edu/admissions.

Lower-Division Transfer Admission

Some campuses admit a limited number of transfer students before they reach junior standing. Each campus website provides information about acceptance of applications from lower-division transfers.

Advanced Placement & International Baccalaureate Credit

Advanced Placement (AP) and International Baccalaureate (IB) credit can also be used to satisfy the 60 transferable units. The Advanced Placement Guide (p. 34) and International Baccalaureate Guide (p. 37) identify which exams can be used for general education credit and UC admission units. Please note for all major prep, each UC school has unique guidelines on how the AP or IB courses may be applied.

Impacted Programs

An undergraduate major, program, or campus is designated as impacted when there are more eligible applicants than spaces available at a campus. Such majors, programs, or campuses are authorized to use supplementary admissions criteria to screen applicants. This criteria may include the following:

- ▶ Completing specific courses
- ▶ Accumulating a specific number of college units
- ▶ Earning a specific grade point average
- ▶ Meeting advance application deadlines
- ▶ Participating in interviews or special evaluations.

Impacted programs vary from year to year, depending on the number of applicants to the program. A major impacted at one campus may be open at another; therefore, students should consult the ASSIST website at www.assist.org, a MiraCosta College academic counselor, or a representative at their intended transfer campus to obtain updated information about impacted majors. (ASSIST is the official transfer and articulation system for California's public colleges and universities.)

Transfer Planning

As soon as possible after registering at MiraCosta College, students whose educational goal includes transferring to a UC campus should meet with a MiraCosta College academic counselor to develop an appropriate educational plan. A comprehensive student education plan, or CSEP, is a guide that consists of the **general education courses**, **major preparation courses**, and any **transferable elective courses** that are required by the student's desired UC transfer destination. The college's academic counselors will also ensure students are aware of UC application deadlines as well as the entrance and graduation requirements that are specific to their desired UC campus.

General Education Requirements: IGETC (Plan C)

To earn a bachelor's degree from UC, students must complete a program of general education (GE). They have the option of completing either the Intersegmental General Education Transfer Curriculum (IGETC) pattern (Plan C (p. 82)) or a campus-specific lower-division GE pattern. The UC campus-specific GE patterns mirror the GE requirements of students who enrolled at UC as freshmen. Students who follow a campus-specific GE pattern must complete the MiraCosta courses that are specified in the GE articulation agreement, which can be found on the ASSIST website at www.assist.org.

IGETC is most helpful to students who want to keep their options open, such as those who know they want to transfer but have not yet decided upon a particular campus or major. Students are strongly encouraged to complete IGETC prior to transfer as doing so can be advantageous in the admission's process for many majors on most UC campuses. However, students who intend to transfer into majors that require extensive lower-division preparation, such as engineering or the physical and natural sciences, should concentrate on completing the many prerequisite courses for the major that the college screens to determine eligibility for admission. All students are strongly advised to work with a MiraCosta College counselor to determine which option for completing general education is most appropriate for their educational goal.

Note: California community college transfer students may complete the IGETC pattern to satisfy the lower-division GE requirements at both the UC and CSU. Students who began college at a UC campus and who intend to transfer back to that campus cannot use IGETC. However, students who began college at a UC campus and intend to transfer to a different UC campus may use IGETC.

Major Preparation

Students need to identify a major and complete the required admission courses for that major. MiraCosta has articulation agreements with all UC campuses. These agreements, which can be viewed on the ASSIST website at www.assist.org, tell students which courses at MiraCosta can satisfy a major requirement at a UC campus. At some UC campuses, the required GPA in these major-preparation courses may be higher than the admission criteria GPA.

Students should choose their major as early as possible for the following reasons:

- ▶ UC campuses admit transfer students to specific majors.
- ▶ Admission to most majors and campuses is competitive. Completing all required/recommended lower-division major preparation courses as listed on ASSIST.org, increases the student's chance of admission.
- ▶ Choosing a major early allows students to stay focused on completing requirements before they transfer.
- ▶ Changing majors is difficult after a student is admitted and usually delays graduation.

The University of California system has collaborated on identifying common major preparation requirements, called UC Pathways, for the most popular transfer majors. These pathways guide students who want to make themselves competitive across the UC system; some campuses may want fewer courses for admission, but none will expect more. This information can be found on the University of California Admissions website at www.universityofcalifornia.edu/admissions.

Transferable Electives

Students who have completed all requirements for their major and have selected courses appropriate for the general education pattern at a UC campus may need to complete additional UC transferable courses to earn the required 60 transferable units. These courses are often referred to as electives. The course descriptions in the college catalog and schedule of classes indicate when a course is UC transferable.

University of California Transfer Admission Programs

Many UC campuses offer guaranteed admission to California community college students who meet specific requirements.

Transfer Admission Guarantee (TAG)

Six UC campuses offer a Transfer Admission Guarantee (TAG) program. By participating in a TAG, students receive early review of their academic records, early admission notification, and specific guidance about major preparation and general education coursework. For complete information about TAGs offered at participating UC campuses, students should see a MiraCosta College counselor, visit the Transfer Center, or locate information on the University of California Admissions website at www.universityofcalifornia.edu/admissions/.

UCB TAP Program

UC Berkeley Transfer Alliance Project (UCB TAP) provides transfer information, education planning, advising, academic enrichment, peer mentoring, major/career assistance, and campus-life immersion to students who face significant barriers, such as low-income, first-generation to college, or a primary language other than English. Appointments are available during the fall and spring semesters and may be booked directly with UC Berkeley's Transfer Specialist.

UC Los Angeles (UCLA) Transfer Alliance Program (TAP)

The Transfer Alliance Program (TAP) is a collaboration between the MiraCosta College Honors Scholar Program and UCLA College of Letters and Sciences in conjunction

with Undergraduate Admissions and Relations with Schools. The program is designed to foster academic excellence at MiraCosta and other participating community colleges and to promote diversity and retention in the UCLA transfer population. Students wishing to participate in this program must meet the following criteria:

- ▶ Enroll in and complete the MiraCosta College Honors Scholar Program (p. 55).
- ▶ Meet with a Transfer Center counselor their first term at MiraCosta College to develop a comprehensive student education plan (CSEP).
- ▶ Complete ALL major prep listed on assist.org.
- ▶ Complete a minimum of 60 transferable units, including 15 units of honors classes, with a competitive GPA.

As a Transfer Alliance Program (TAP) participant, if you are not selected for admission to your first-choice major, UCLA will also review your application for an alternate major. TAP students are also eligible to apply for TAP scholarships.

UC San Diego (UCSD) University Link Program

UCSD UniversityLink is designed for freshmen, active duty military and veterans, current/former foster youth, and students whose family income is no more than \$40,000 per year. This program represents a partnership among UCSD, MiraCosta College, and local high schools. It guarantees admission to UCSD if the student completes their first two years of college coursework at MiraCosta and meets specific UCSD admission and GPA requirements. Students in the program receive individual academic advisement and counseling, informational workshops and tours, invitations to special events at UCSD, and contact with current UCSD students.

Students must sign and submit the University Link agreement form **no later than** by the end of their first year of enrollment at MiraCosta. More information about this program can be found on the UC San Diego UniversityLink website at www.admissions.ucsd.edu/transfer/universitylink.

IGETC Certification

Prior to transfer from MiraCosta, students can request certification of the IGETC pattern (Plan C (p. 82)). Certification ensures students will not be asked to complete additional lower-division general education courses after they transfer. The following rules apply to IGETC Certification:

- ▶ All courses must be completed with a "C" or better. A grade of "P" (Pass) is acceptable if it is equivalent to a grade of "C" or higher at the institution where the work was completed.
- ▶ Courses taken at another California community college will be applied to the subject areas in which they are listed at the institution where the work was completed.
- ▶ A course taken at a U.S. regionally accredited private institution will be placed in the subject area for which MiraCosta College or another community college has an equivalent course.

Transferring Coursework

- ▶ Courses completed at foreign institutions are not acceptable for IGETC except for certification of language proficiency (Area 6).

Partial IGETC Certification

Students who have completed all but two courses on the IGETC pattern may apply for partial certification. Each CSU/UC campus will inform students who submit partially certified IGETC of the specific timelines and courses needed to complete the IGETC after transfer. Once a student has transferred, it is the transfer institution's responsibility to verify that the missing IGETC coursework has been completed. Students can request IGETC Certification from the MiraCosta Admissions and Records Office when they request transcripts be sent to their intended transfer institution.

Certificate of Achievement in IGETC

Students who complete the entire IGETC certification pattern of courses are eligible to receive a Certificate of Achievement in IGETC. These courses satisfy lower-division general education requirements at California State University and University of California campuses. *(Note: This program may not be appropriate for some high unit majors in technical disciplines related to science, engineering or math, so students should consult with a MiraCosta College counselor to develop an appropriate educational plan for their intended major and UC campus.)*

Private College/Out-of-State University Transfer

MiraCosta College also has agreements with many private colleges and universities within California and agreements with some out-of-state universities. Most of these universities accept all courses designated as UC transferable, and many accept completion of CSU GE-Breadth (Plan B (p. 76)) or IGETC (Plan C (p. 82)) in lieu of their own general education requirements. However, graduation requirements and coursework used to complete a major may vary significantly with requirements at the California State University (CSU) or University of California (UC) systems. Some California and out-of-state private colleges and universities accept the Associate Degree for Transfer for specific majors in lieu of major and general education requirements.

To find out more about U.S. regionally accredited private colleges in California, students should visit www.californiacolleges.edu. For specific information about private and out-of-state universities, students should visit the Transfer Center or the specific college's website, or make an appointment with a MiraCosta College counselor. MiraCosta lists agreements with many private California and out-of-state universities on the college's articulation webpage: <https://www.miracosta.edu/student-services/articulation/index.html>.

Academic & Career Pathways

The background of the slide features a series of overlapping, wavy bands in various shades of blue, ranging from a deep cerulean to a very light, almost white, sky blue. These bands flow from the top left towards the bottom right, creating a sense of movement and depth.

Academic and Career Pathways (ACPs)

<https://www.miracosta.edu/academics/degree-and-certificate-programs/index.html>

Academic and Career Pathways (ACPs) are collections of majors with related courses that fit within a career area. ACPs help guide students toward fulfilling careers through academic programs and integrated experiences and support services. Students can narrow down their choice of major and begin developing an educational plan that leads to degree or certificate completion or transfer. ACPs also give students an opportunity to join a community of like-minded individuals working toward similar academic and career goals.

MiraCosta College has six ACPs from which to choose:

- ▶ Business and Technology (p. 98)
- ▶ Creative and Applied Arts (p. 98)
- ▶ Health Sciences (p. 98)
- ▶ Languages, Communication, and Humanities (p. 99)
- ▶ Math and Sciences (p. 99)
- ▶ Social and Behavioral Sciences (p. 99)

Please see the Academic and Career Pathways webpage for information about how to choose a pathway and major.

Creative and Applied Arts

[miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts](https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts)

Interested in applying your imagination and creative talents? The Creative and Applied Arts ACP supports a community of learners broadly focused on visual and performing arts as well as commercial application of artistic expressions.

- ▶ These programs of study will help you develop artistic skills that can be applied in fulfilling careers in technical theater production, stagecraft, graphic design, web and interactive design, illustration, digital photography, audio production, recording technology, and more.
- ▶ If a bachelor's or master's degree is in your future, the creative arts majors will prepare you for transfer opportunities in the areas of art, music, dance, theater, film, design, and photography.

Careers in Creative and Applied Arts*

- ▶ Painters, illustrators, photographers, film makers, art critics, art teachers, and art dealers.
- ▶ Dancers, choreographers, actors, producers, casting directors, talent agents, and set designers.
- ▶ Composers, arrangers, music promoters, music teachers, sound designers, sound editors, and recording technicians.
- ▶ Advertising artists, graphic designers, animators, web designers, and videographers.

**Many of these careers require a bachelor's degree or higher.*

For more career, job outlook, and salary information, visit MiraCosta's Career Coach tool at [miracosta.emsicc.com](https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology).

Business and Technology

[miracosta.edu/academics/degree-and-certificate-programs/business-and-technology](https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology)

Are you interested in helping businesses become successful and solvent? Would you like to explore hands-on careers that are relevant to today's economy? The Business and Technology ACP will teach you current business practices, empirical approaches, and technical skills that will open doors to the business and technology-based careers that drive the economy of today and tomorrow.

- ▶ Areas of study in business will teach you how to plan, organize, and execute industry-relevant skills that require ethics and operations management in the fields of finance, accounting, sales, marketing, hospitality, and entrepreneurship whether you are aspiring to work for a corporation or own your own business.
- ▶ Hands-on technology-related areas of study will teach you how to design new products, perform architectural and civil drafting, provide computer support, manage and ensure the security of computer networks, or maintain and repair cars.

Careers in Business and Technology*

- ▶ Accountants, bookkeepers, tax preparers, marketing specialists, market analysts, social media specialists, e-commerce specialists, financial managers, entrepreneurs, and operations managers.
- ▶ Administrative assistants, hotel managers, front and back office managers, and event planners.
- ▶ Help desk support, cybersecurity, tech support and network support specialists, network administrators, computer systems analysts, security analysts, data analysts, and information technology managers.
- ▶ Architectural drafters, engineering technicians, and product designers.
- ▶ Automotive mechanics, master technicians, and auto parts specialists.

**Many of these careers require a bachelor's degree or higher.*

For more career, job outlook, and salary information, visit MiraCosta's Career Coach tool at [miracosta.emsicc.com](https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences).

Health Sciences

[miracosta.edu/academics/degree-and-certificate-programs/health-sciences](https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences)

Do you enjoy helping people? Do you want to make a difference in people's lives? The Health Sciences ACP will prepare you for careers and transfer study in the world of health

research, medical treatments, nursing, healing practices, athletic training, fitness, and nutrition. Join this ACP and start exploring career opportunities in one of the fastest growing sectors!

- ▶ Courses within this ACP will provide a strong foundation for transfer in the fields of medical practice, nursing, nutrition, and physical education.
- ▶ The career-track certificate and degree programs will prepare you for careers in registered nursing, athletic training, fitness, yoga teaching, medical assisting, nursing assisting, medical coding, and other health-related fields.

Careers in Health Sciences*

- ▶ Registered nurses (RNs), licensed vocational nurses (LVNs), certified nursing assistants (CNAs), public health nurses, and school nurses.
- ▶ Medical assistants, medical records technicians, and medical coders.
- ▶ Athletic trainers, fitness trainers, yoga teachers, yoga physical therapists, health coaches, and dietitians.
- ▶ Physician assistants, health care managers, nurse practitioners, clinical nurse specialists, nurse midwives, physicians, and pharmacists.

**Many of these careers require a bachelor's degree or higher.*

For more career, job outlook, and salary information, visit MiraCosta's Career Coach tool at miracosta.emsicc.com.

Languages, Communication, and Humanities

miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities

Are you inspired by the use of language and communication to shed light on global issues, struggles, and stories? Would you like to build a world where people connect to each other through language, ideas, and cultural expression?

The knowledge and skills gained through the Languages, Communication, and Humanities ACP will prepare you for career and transfer opportunities in a broad range of fields, such as teaching, translation and interpretation, journalism, media, entertainment, marketing, public relations, government, international business, international relations, and law.

Careers in Languages, Communication, and Humanities*

- ▶ Teachers, professors, and educators.
- ▶ Diplomats, Foreign Service officers, lawyers, and historians.
- ▶ Language interpreters, translators, and linguists.
- ▶ Publishers, journalists, writers, copywriters, and public relations, advertising, and marketing professionals.

**Many of these careers require a bachelor's degree or higher.*

For more career, job outlook, and salary information, visit MiraCosta's Career Coach tool at miracosta.emsicc.com.

Math and Sciences

miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences

Do you like making logical connections, conducting experiments, and discovering and analyzing how something works? The Math and Sciences ACP is designed for those who are curious about the world and how it works. Our programs serve as building blocks to any certificate, associate degree, or bachelor's degree, and they can prepare you for a career in science, technology, engineering, and mathematics (STEM) fields.

You will have many options to choose from in the Math and Sciences ACP, such as biology, chemistry, biomanufacturing, biotechnology, mathematics, physics, computer science, earth sciences, landscape architecture, viticulture, and horticulture.

Careers in Math and Sciences*

- ▶ Lab technicians, lab assistants, chemical technicians, biomanufacturing specialists, and crime lab analysts.
- ▶ Engineers, computer programmers, software developers, database managers, and video game developers.
- ▶ Landscape architects, sustainable agriculture managers, pest control specialists, horticulturalists, and food scientist technicians.
- ▶ Economic analysts, research analysts, statisticians, mathematicians, and data scientists.
- ▶ Chemists, biologists, ecologists, biochemists, marine biologists, meteorologists, physicists, and oceanographers.
- ▶ Medical doctors, pharmacists, and dentists.

**Many of these careers require a bachelor's degree or higher.*

For more career, job outlook, and salary information, visit MiraCosta's Career Coach tool at miracosta.emsicc.com.

Social and Behavioral Sciences

miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences

Are you intrigued by human behavior? Are you curious about how societies meet their needs? The Social and Behavioral Sciences ACP will introduce you to cultures and societies from around the world and throughout history to help you understand the social, political, psychological, and economic forces that shape our world today.

Courses within this ACP will prepare you for careers and transfer in administration of justice, anthropology, early childhood education, economics, geography, human development, psychology, political science, religious studies, and sociology.

Careers in Social and Behavioral Sciences*

- ▶ Attorneys, criminologists, police officers, corrections officers, court reporters, and paralegals.
- ▶ Economists, public policy analysts, social workers, human service assistants, social researchers, and anthropologists,
- ▶ Psychologists, mental health counselors, marriage and family therapists, organizational psychologists, and training and development specialists.
- ▶ Preschool teachers, daycare managers, elementary school/middle/high school teachers, professors, and counselors.

**Many of these careers require a bachelor's degree or higher.*

For more career, job outlook, and salary information, visit MiraCosta's Career Coach tool at miracosta.emsicc.com.

Areas of Study & Courses

The background of the slide is a solid light blue color. Overlaid on this are several darker blue, wavy, horizontal lines that sweep across the upper portion of the slide, creating a sense of movement and depth. The lines vary in thickness and curvature, with some appearing more like broad strokes and others as thinner, more defined bands.

How to Read Course Descriptions

How to Read Course Descriptions

Courses listed in this catalog apply to the **fall 2022, spring 2023, and summer 2023 terms**. Courses are numbered within alphabetically arranged subject areas. (Please refer to the Credit Courses (p. 20) section of the catalog for more detailed information about course numbering.)

- ▶ **Course numbers 0-49:** Basic skills or college preparatory courses that are not associate-degree applicable.
- ▶ **Course numbers 50-99:** Associate-degree applicable courses; not intended for transfer to a four-year university.
- ▶ **Course numbers 100-299:** Associate-degree applicable courses; intended for transfer to a four-year university.
- ▶ **Course numbers 300-400:** Upper-division courses; available only to students in the baccalaureate degree program in biomanufacturing at MiraCosta.

Other course description information includes the following:

- ▶ **Units:** The semester credit for the course. One unit of credit is defined as one hour of lecture or three hours of laboratory work each week.
- ▶ **Prerequisites:** A requirement that must be met in order to demonstrate current readiness for enrollment in the course. When courses in a subject must be taken in a particular order, the prerequisites indicate the required sequence.
- ▶ **Corequisites:** A course students must take in the same semester/term in order to enroll in the course.
- ▶ **Advisories:** Recommended preparation the student is advised but not required to have before or in conjunction with the course.
- ▶ **Enrollment Limitations:** Some courses place restrictions on enrollment. Most of these restrictions prevent students from duplicating coursework. Others specify something the student must do prior to enrolling in a course, such as audition or obtain special approval. Some enrollment limitations restrict the number of units a student can earn or the number of courses a student can take within a group of courses that share a similar primary educational objective.
- ▶ **Acceptable for Credit:** CSU means the course is accepted for transfer at any California State University (CSU) campus; UC means it is accepted for transfer at any University of California (UC) campus. Some courses can be used to satisfy general education or major requirements while others transfer as elective credit. UC Credit Limitation means credit for the course may have UC transfer restrictions; these restrictions are identified at the end of the course description.
- ▶ **Lecture and Lab Hours:** The number of hours the course meets for lecture and/or lab per week.
- ▶ **Course Typically Offered:** Indicates patterns of course offerings; however, students should check the class schedule for the current semester's offering. (Note: MiraCosta College reserves the right to cancel any course due to insufficient enrollment or other circumstances beyond the district's control.)

The **course description** summarizes the purpose and key topical areas of the course and includes special requirements if any exist. Some course descriptions end with information about whether the course was "formerly" another course, how many times the course may be repeated, or whether the course is offered on a "pass/no pass" basis. Some course descriptions identify UC credit limitations, and some indicate an instructional materials fee is required as a condition of enrollment in the course. (Please refer to the Fees (p. 23) section of the catalog for information about required instructional materials fees.)

When a course description ends with a **C-ID** number, students can be assured the course will be accepted in lieu of a course bearing the same C-ID designation at another community college. The C-ID designator means the course is comparable in content and scope to a similar course offered by participating California community colleges. (For a list of MiraCosta College courses that have a C-ID, see the C-ID Courses page (p. 26) under Admissions & Registration.)

Accounting

Accounting offers theoretical and practical courses for students planning to transfer as accounting majors, career and technical courses that lead to certificates of proficiency and achievement, and professional development courses designed to improve workplace skills, including course paths for preparation for profession certification exams such as the IRS Enrolled Agent certification and the Certified Bookkeeper credential. Career options in accounting include positions in the private and public sectors, tax preparation, finance and banking, business ownership, and management.

Academic and Career Pathway: Business and Technology

Contact Information

Chair: Annie Ngo
Dean: Al Taccone
<https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/accounting/index.html>

Department: Business
Office: Building OC4800,
760.795.6811

Full-Time Faculty

Eric Carstensen
Michael Deschamps
Delores Loedel

Associate Degrees

Associate in Arts Degrees

Accounting

Bookkeeping

Students may earn one of the above-named associate degrees by completing its respective certificate of achievement requirements and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 67)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written

educational plan for the specific degree or certificate they wish to earn.

Certificates

Certificate of Achievement

Accounting

Accounting offers theoretical and practical courses for students planning to transfer as accounting majors, career and technical courses that lead to certificates of proficiency and achievement, and professional development courses designed to improve workplace skills. Career options in accounting include positions in the private and public sectors, tax preparation, finance and banking, business ownership, and management.

Students interested in accounting-related careers may choose the Accounting or Bookkeeping certificate program.

Accountants generally work without continuous supervision. They have full responsibility for entries to general journals, posting to general ledgers, year-end adjustments, and financial statements. An accountant often supervises one or more bookkeepers and is the primary accounting specialist in a small business. In addition to the training needed by a bookkeeper, an accountant needs extra accounting, business communication, law, income tax, and management training.

A strong demand by the community for accounting specialists provides opportunities within this field.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to successfully construct and analyze accounting information for the purposes of making business decisions.

The following courses may be taken in any sequence as long as all prerequisites are met.

Required courses:		
ACCT 201	Financial Accounting	4
or ACCT 201H	Financial Accounting (Honors)	
ACCT 202	Managerial Accounting	4
or ACCT 202H	Managerial Accounting (Honors)	
ACCT 145	Individual Income Tax	4
or ACCT 146	Taxation of Business Entities	
ACCT 148	Computer Accounting	3
or ACCT 104	Payroll Accounting	
ACCT 158	Business Mathematics	3
or BUS 204	Business Statistics	
or BUS 204H	Business Statistics (Honors)	
BUS 120	Introduction to Business	3
or BUS 120H	Introduction to Business (Honors)	
or BUS 130	Entrepreneurship and Small Business Management	
BUS 140	Legal Environment of Business	3
or BUS 140H	Legal Environment of Business (Honors)	
BUS 290	Business Communication	3
or BUS 290H	Business Communication (Honors)	
CSIT 110	Computer Applications	3

or CSIT 128

Microsoft Excel for Business

Total Units

30

Certificate of Achievement

Bookkeeping

Accounting offers theoretical and practical courses for students planning to transfer as accounting majors, career and technical courses that lead to certificates of proficiency and achievement, and professional development courses designed to improve workplace skills. Career options in accounting include positions in the private and public sectors, tax preparation, finance and banking, business ownership, and management.

Bookkeepers generally work under supervision. They make entries in special journals, posts to subsidiary ledgers, and verifies and files source documents. Appropriate training includes accounting, business mathematics, and computer office skills.

A strong demand by the community for bookkeepers assures opportunities within this field. The following courses may be taken in any sequence as long as all prerequisites are met.

Program Student Learning Outcome Statement

- Upon completion of the this program, the student will be able to analyze and record business transactions using double-entry accounting as well as construct and interpret required financial statements.

The following courses may be taken in any sequence as long as all prerequisites are met.

Required courses:		
ACCT 104	Payroll Accounting	3
ACCT 145	Individual Income Tax	3-4
or ACCT 146	Taxation of Business Entities	
or ACCT 147	Ethics, Representation, Practice, and Procedures	
ACCT 148	Computer Accounting	3
ACCT 149	IRS Volunteer Preparation	2
ACCT 158	Business Mathematics	3
or BUS 204	Business Statistics	
or BUS 204H	Business Statistics (Honors)	
CSIT 110	Computer Applications	3
or CSIT 128	Microsoft Excel for Business	
Choose one sequence below:		8
ACCT 101 & ACCT 102	Practical Accounting and Practical Accounting II	
ACCT 201 & ACCT 202	Financial Accounting and Managerial Accounting	
or ACCT 201H & ACCT 202H	Financial Accounting (Honors) and Managerial Accounting (Honors)	

Total Units

25-26

Certificate of Achievement

Professional Accounting: Preparing for the CPA Exam

This certificate is designed for students who have a bachelor's degree that wish to be licensed as a Certified Public

Accountant (CPA). This certificate will prepare students for the Certified Public Accounting (CPA) examination. The courses in this certificate provide some of the skills and hours required to sit for the CPA exam. Upon successful completion of the CPA exam, students will have the ability to perform the functions of a certified public accountant.

Program Student Learning Outcome Statement

- Upon successful completion of this program, students will be able to apply knowledge of applicable accounting practice and theory to accurately prepare financial information for analysis and to make informed business decisions.

Required courses:		
ACCT 201	Financial Accounting	4
or ACCT 201H	Financial Accounting (Honors)	
ACCT 202	Managerial Accounting	4
or ACCT 202H	Managerial Accounting (Honors)	
ACCT 204	Intermediate Accounting I	4
ACCT 145	Individual Income Tax	4
ACCT 146	Taxation of Business Entities	4
ACCT 147	Ethics, Representation, Practice, and Procedures	3
CSIT 123	Introduction to Data Analytics	3
Total Units		26

Certificate of Proficiency Accounting Assistant

This certificate introduces students to the basic components of billing, cost, and accounting functions. Most of the courses in this certificate can be applied to the Accounting and Bookkeeping Certificates of Achievement.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to analyze and record business transactions using double-entry accounting as well as construct and interpret required financial statements.

Required courses:		
ACCT 101	Practical Accounting	4
ACCT 104	Payroll Accounting	3
ACCT 148	Computer Accounting	3
One of the following:		3-4
ACCT 102	Practical Accounting II	
ACCT 158	Business Mathematics	
CSIT 110	Computer Applications	
CSIT 128	Microsoft Excel for Business	
Total Units		13-14

Certificate of Proficiency Computerized Accounting Applications

This certificate introduces students to the basic components of the most generally used computerized accounting systems in today's business settings. Most of the courses in this certificate can be applied to the accounting and bookkeeping certificates of achievement.

Program Student Learning Outcome Statement

- Upon successful completion of this program, students will be able to analyze and record business transactions in the computerized accounting environment.

Required courses:		
ACCT 104	Payroll Accounting	3
ACCT 148	Computer Accounting	3
CSIT 120	Fundamentals of Computer Information Systems	3
or CSIT 128	Microsoft Excel for Business	
Total Units		9

Certificate of Proficiency Income Tax Preparer

This certificate of proficiency is designed for entry-level tax preparer positions. All tax preparers in the State of California are required to demonstrate a minimum level of qualified tax education. This certificate allows students to apply for the California Registered Tax Preparer's certificate as well as introduces them to the process and requirements of becoming an IRS certified volunteer.

Program Student Learning Outcome Statement

- Upon successful completion of this certificate, the student will be able to meet the requirements for the California Registered Tax Preparers certificate as well as the IRS Tax Volunteer certificate.

Required courses:		
ACCT 145	Individual Income Tax	4
ACCT 149	IRS Volunteer Preparation	2
Total Units		6

Certificate of Proficiency Income Tax Professional

The Income Tax Professional Certificate trains students to work in an entry-level assistant position with an experienced tax preparer or a commercial tax preparation service.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to successfully analyze financial information and complete a moderately challenging tax return suitable for filing with both the IRS and the California Franchise Tax Board.

Required courses:		
ACCT 145	Individual Income Tax	4
ACCT 146	Taxation of Business Entities	4
ACCT 147	Ethics, Representation, Practice, and Procedures	3
Total Units		11

Certificate of Proficiency

Payroll Professional

This certificate introduces students to the basic components of the payroll function. The courses in this certificate can be applied to the Certificate of Achievement in Bookkeeping.

Program Student Learning Outcomes

- Upon completion of this program, the student will be able to apply knowledge of applicable laws to compute payroll, complete federal and state tax schedules, and accurately prepare financial information for analysis and informed business decisions.

Required courses:

ACCT 101	Practical Accounting	4
or ACCT 201	Financial Accounting	
or ACCT 201H	Financial Accounting (Honors)	
ACCT 104	Payroll Accounting	3
ACCT 158	Business Mathematics	3
Total Units		10

Courses

ACCT 101: Practical Accounting

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This introduction to the field of accounting includes completion of an accounting cycle and related bookkeeping for sole proprietorship service and merchandising businesses. Topics include analyzing and recording business transactions, end-of-period adjustments, preparation of financial statements, and the closing process. The course also covers cash receipts, disbursements and control, and payroll, and it emphasizes a practical approach to accounting through problem solving.

ACCT 102: Practical Accounting II

Units: 4

Prerequisites: ACCT 101.

Acceptable for Credit: CSU

Lecture 4 hours.

Course Typically Offered: Spring

This course continues the introduction to accounting studied in ACCT 101. Topics include bookkeeping for sole proprietorship, partnership and corporate merchandising businesses with an emphasis on bad debts, notes receivable and payable, inventory, property, plant, equipment, and intangible assets, financial statement analysis, and cash flow. The course emphasizes a practical approach to accounting through problem solving.

ACCT 104: Payroll Accounting

Units: 3

Prerequisites: None

Advisory: ACCT 101 or ACCT 201.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course provides a comprehensive overview of federal and state payroll laws and their effect on payroll records and required government reports. Topics include laws affecting employers, human resource department procedures and record keeping, payroll accounting system procedures, and payroll forms and publications.

ACCT 145: Individual Income Tax

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 4 hours.

Course Typically Offered: Fall, Spring

This course covers federal and California individual income tax preparation and planning. Topics include filing status, exemptions, income and exclusions, business expenses, itemized deductions, credits, capital gains, depreciation, tax payments, California tax, IRS and FTB, and audits. This California Tax Education Council (CTEC) approved course fulfills the 60-hour 'qualifying education' requirement for California tax preparers and prepares students to meet the federal guidelines for paid tax preparers.

ACCT 146: Taxation of Business Entities

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 4 hours.

Course Typically Offered: Fall or Spring

This course introduces the tax issues facing the various types of business entities that operate in the United States. It emphasizes the U.S. tax code and regulations that relate to these entities, and it examines the transactions that most commonly affect them. This course also assists students in preparing to sit for the IRS Enrolled Agent exam.

ACCT 147: Ethics, Representation, Practice, and Procedures

Units: 3

Prerequisites: None

Advisory: ACCT 145 or ACCT 146.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course covers income tax issues that relate to the requirements of individuals who have the legal right to prepare tax returns on behalf of individuals, business entities, and estates and trusts. These requirements include ethical conduct, practice privileges, and assessment and appeal procedures that must be followed in representing clients before the IRS and other tax agencies. This course also assists students in preparing to sit for Part 3 of the IRS Enrolled Agent exam.

ACCT 148: Computer Accounting

Units: 3

Prerequisites: None

Advisory: ACCT 101

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course teaches students how to apply fundamental accounting concepts and principles and analyze business events using commercial business accounting software. Students enter accounting transactions, make adjustments and corrections, create and analyze financial reports, produce and compare financial statements, create a company file, calculate payroll, use advanced software features for loan and asset tracking, and make end-of-year adjustments.

ACCT 149: IRS Volunteer Preparation

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours.

Course Typically Offered: Fall

The IRS volunteer programs, Volunteer Income Tax Assistance (VITA) and Facilitated Self Assistance (FSA), offer accounting and business majors the opportunity to learn the valuable skill of tax preparation in a real world setting. Students apply their knowledge about existing tax law to prepare tax returns using IRS professional tax preparation software. Upon successful completion of the components of this course, students are eligible to become IRS-certified volunteers.

ACCT 158: Business Mathematics

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course meets the needs of business students who wish to gain proficiency in mathematical applications used in the business world. It prepares students for the study of accounting as well as for pre-employment mathematics tests common to office employment. Applications include trade and cash discounts, markups and markdowns, simple interest and simple discount, compound interest, annuities and sinking funds, consumer credit, building wealth through investments, mortgages, and insurance.

ACCT 201: Financial Accounting

Units: 4

Prerequisites: None

Advisory: ACCT 101.

Enrollment Limitation: Not open to students with prior credit in ACCT 201H.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This course explores what financial accounting is, why it is important, and how it is used by investors and creditors to make decisions. It covers the accounting information system and the recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the classified financial statements, and statement analysis. Topics include issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics. UC CREDIT LIMITATION: Credit for ACCT 201 or ACCT 201H. C-ID ACCT-110.

ACCT 201H: Financial Accounting (Honors)

Units: 4

Prerequisites: None

Advisory: ACCT 101.

Enrollment Limitation: Not open to students with prior credit in ACCT 201.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring

This course offers highly motivated students an opportunity to explore what financial accounting is, why it is important, and how it is used by investors and creditors to make decisions. This course covers the accounting information system and the recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the classified financial statements, and statement analysis. Topics include issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics. As an honors course, it provides students the opportunity to conduct supervised independent accounting research and to lead and participate in collaborative and instructor-led discussions. UC CREDIT LIMITATION: Credit for ACCT 201 or ACCT 201H. C-ID ACCT-110.

ACCT 202: Managerial Accounting

Units: 4

Prerequisites: ACCT 201 or ACCT 201H.

Enrollment Limitation: Not open to students with prior credit in ACCT 202H.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This course examines how managers use accounting information in decision-making, planning, directing operations, and controlling. It focuses on cost terms and concepts, cost behavior, cost structure, and cost-volume-profit analysis. Topics include profit planning, standard costs, operations and capital budgeting, cost control, and accounting for costs in manufacturing organizations. UC CREDIT LIMITATION: Credit for ACCT 202 or ACCT 202H. C-ID ACCT-120.

ACCT 202H: Managerial Accounting (Honors)

Units: 4

Prerequisites: ACCT 201 or ACCT 201H.

Enrollment Limitation: Not open to students with prior credit in ACCT 202.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring

This course offers highly motivated students an opportunity to examine how managers use accounting information in decision-making, planning, directing operations, and controlling. It focuses on cost terms and concepts, cost behavior, cost structure, and cost-volume-profit analysis. Topics include profit planning, standard costs, operations and capital budgeting, cost control, and accounting for costs in manufacturing organizations. As an honors course, it provides students the opportunity to conduct supervised independent accounting research and to lead and participate in collaborative and instructor-led discussions. UC CREDIT LIMITATION: Credit for ACCT 202 or ACCT 202H. C-ID ACCT-120.

ACCT 204: Intermediate Accounting I

Units: 4

Prerequisites: ACCT 201 or ACCT 201H.

Acceptable for Credit: CSU

Lecture 4 hours.

Course Typically Offered: Fall

Students study the conceptual framework of accounting as it relates to the recording, reporting, and disclosing of financial information related to asset valuation and income determination based on generally accepted accounting principles. The course emphasizes corporate financial statements and the accounting procedures used for measuring, recording, and reporting assets. It also covers recent developments in accounting standards and practice. Topics include the acquisition, valuation, and disposition of assets as well as income determination. This course is intended for students majoring in the field of accounting and those seeking additional education in preparation for the Certified Public Accounting (CPA) exam.

ACCT 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

ACCT 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Administration of Justice

The Administration of Justice discipline examines the structure, functions, laws and procedures, and decision-making processes of agencies that deal with crime management, such as police, prosecutors, courts, and correctional facilities. Students take administration of justice courses to prepare for a criminal justice, criminology, or law enforcement major, to fulfill general education requirements, or for professional development. Career options include work in federal, state, and local law enforcement agencies, correctional agencies and institutions, and private security agencies.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Ruben Gomez
Dean: Al Taccone
<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/administration-of-justice/index.html>

Department: Administration of Justice
Office: Building OC4800, 760.795.6811

Full-Time Faculty

Ruben Gomez

Associate Degrees

Associate in Arts Degree Law Enforcement

Students may earn the above-named associate degree by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 67)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Associate in Science Degree

Administration of Justice for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a criminal justice/criminology degree, an emphasis or option within a criminal justice/criminology degree, or a degree considered similar to criminal justice/criminology at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a criminal justice major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be prepared for further academic study and transfer to a CSU baccalaureate degree program; and/or employment in entry-level positions in the criminal justice system.

Required Core (6 units):

ADM 100	Introduction to the Administration of Justice *	3
or ADM 100H	Introduction to the Administration of Justice (Honors)	

ADM 200	Concepts of Criminal Law *	3

List A: 6 Units. Select two courses. (It is recommended you select courses that meet lower-division major preparation requirements at your intended transfer university.)

ADM 210	Criminal Procedures	
ADM 220	Criminal Evidence	
ADM 230	Policing in a Diverse and Multicultural Society	
ADM 270	Crime and Delinquency	
ADM 280	Criminal Investigation	

List B: 6-7 units. Select two courses. 6-7

Any course not selected in List A.

ADM 107	Introduction to Computer/Digital Forensics	
ADM 240	Written and Oral Communication in the Administration of Justice	
ADM 250	Police Field Operations	
ADM 260	Organized Crime, Gangs, and Terrorism	
BTEC 180	Biostatistics *	
or BUS 204	Business Statistics	
or BUS 204H	Business Statistics (Honors)	
or MATH 103	Statistics	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOC 125	Introduction to Statistics in Sociology	
PSYC 101	General Psychology *	
or PSYC 101H	General Psychology (Honors)	
SOC 101	Introduction to Sociology *	
or SOC 101H	Introduction to Sociology (Honors)	

Total Units **18-19**

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the statistics and honors courses listed are also GE courses.

NOTES:

1. This is not an approved pathway for transfer to CSUSM. Please consult a counselor for more information on this major at CSUSM or refer to the articulation agreement at ASSIST.ORG.

2. Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Certificate

Certificate of Achievement

Law Enforcement

As the criminal justice system responds to the increasing complexities of our society, education becomes even more essential for those seeking careers as peace officers as well as for law enforcement personnel seeking advancement within the field. The law enforcement certificate includes courses covering the most significant knowledge, skills, and abilities that better facilitate a student's success in acquiring and being successful in law-enforcement related jobs. In addition, successful completion of the certificate requirements provides an excellent foundation for transfer and the pursuit of higher degrees in law-enforcement related fields.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be prepared for further study and/or employment in entry-level positions in the criminal justice system.

Required courses:

ADM 100	Introduction to the Administration of Justice	3
or ADM 100H	Introduction to the Administration of Justice (Honors)	
ADM 200	Concepts of Criminal Law	3
ADM 210	Criminal Procedures	3
ADM 220	Criminal Evidence	3
ADM 230	Policing in a Diverse and Multicultural Society	3
ADM 240	Written and Oral Communication in the Administration of Justice	3
Select at least 9 elective units from the following:		9
ADM 107	Introduction to Computer/Digital Forensics	
ADM 250	Police Field Operations	
ADM 260	Organized Crime, Gangs, and Terrorism	
ADM 270	Crime and Delinquency	
ADM 280	Criminal Investigation	
SOC 105	Introduction to Justice Studies	

Total Units

27

Courses

ADM 100: Introduction to the Administration of Justice

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ADM 100H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course explores the roots of our current justice system and the interaction of its various subsystems (law enforcement/prosecution, judicial, and corrections). It emphasizes the organizational structure and legal consideration relevant to each subsystem. Topics include the origin of law, theories of crime causation, criminal procedure, and sentencing philosophies and alternatives. The course also introduces students to sources of criminal justice information and statistics. UC CREDIT LIMITATION: Credit for ADM 100/ADM 100H or SOC 105. C-ID AJ-110.

ADM 100H: Introduction to the Administration of Justice (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ADM 100.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course explores the roots of our current justice system and the interaction of its various subsystems (law enforcement/prosecution, judicial, and corrections) to each other and to the overall social system. It emphasizes the organizational structure and legal consideration relevant to each subsystem. Topics include the origin of law, theories of crime causation, criminal law, criminal procedure, and sentencing philosophies and alternatives. The course also introduces students to the research methodology and sources of information/statistics relevant to the discipline. As an honors course, it provides a rigorous and enriched opportunity for highly motivated students to engage in enhanced discussions and conduct in-depth research and interviews about criminal-justice-related issues. UC CREDIT LIMITATION: Credit for ADM 100/ADM 100H or SOC 105. C-ID AJ-110.

ADM 107: Introduction to Computer/Digital Forensics

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course introduces students to computer/digital crime and abuse and the methods used to properly conduct a computer/digital forensics investigation. Designed for law enforcement investigators, corporate security officials, and network and computer security administrators, the course includes an overview of computer/digital forensics as a profession; the computer investigation process and related legal issues; the type and frequency of computer/digital-related crime; a basic overview of the Internet, networks, and network infrastructure protection; operating systems, data and disk structures, data acquisition and analysis, and technical writing; and a survey of computer/digital forensics tools.

ADM 200: Concepts of Criminal Law

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

The course explores the basic concepts of criminal law, including its philosophy and development, relationship to the U.S. government's structure, elements of a crime, inchoate offenses, and capacities and defenses. The course covers specific violations and legal issues related to crimes against persons, property crimes, organized crime, white collar crime, environmental crime, public safety and terrorism offenses, alcohol and drug offenses, and offenses against justice and public administration. C-ID AJ-120.

ADM 210: Criminal Procedures

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

The course explores the basic concepts of criminal procedure with special emphasis on constitutional principles that apply to investigative techniques involving search and seizure, electronic surveillance, temporary detention, arrest, identification procedures, and interrogation. The course also covers legal issues that relate to initial entry into the judicial system, pre-trial, trial, sentencing, punishment, appeal, and post conviction relief. C-ID AJ-122.

ADM 220: Criminal Evidence

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on the various types of evidence and the rules governing admissibility in criminal proceedings with an emphasis on the Federal Rules of Evidence and the California Evidence Code. Topics include relevance, materiality, witness testimony, hearsay, impeachment, competence, chain of custody, and privileges. The course also addresses admissibility of evidence related to confessions, searches, in/out of court identifications, and other investigative techniques, including the criminal processes where admissibility is determined. C-ID AJ-124.

ADM 230: Policing in a Diverse and Multicultural Society

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course examines how diverse populations and multicultural communities affect the organization of law enforcement agencies and the relationships between police and the communities they serve. It emphasizes the history, issues, and challenges associated with policing in communities of diverse and multicultural populations, considering such factors as race, ethnicity, gender, religion, sexual orientation, age, social class, and culture. The course also explores strategies for improving communication skills and relationships between police and the community. C-ID AJ-160.

ADM 240: Written and Oral Communication in the Administration of Justice

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall

This course focuses on the written and oral communication skills necessary for success in the criminal justice system to include the application of relevant legal considerations. It emphasizes incident report writing, interview/interrogation documentation, and note-taking. The course also identifies and develops oral communication skills related to voluntary citizen contact, crisis intervention, custodial situations, and testimony.

ADM 250: Police Field Operations

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course focuses on the duties, responsibilities, and ethical considerations of patrol officers during field operations. It emphasizes the different types of patrol and investigations, commonly encountered situations, techniques employed to address those situations, and the legal authorities related to such actions. Topics include written and oral communication skills, interview/interrogation, report writing, use of force, trial preparation and testimony, and the officer's role in community policing practices and the criminal justice system in general.

ADM 260: Organized Crime, Gangs, and Terrorism

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course traces the origins and evolution of domestic and transnational organized criminal and terrorist enterprises. It emphasizes their illicit activities, including drug trafficking, vices, gangs, and international and domestic terrorism. The course explores the impact such activities and enterprises have had on society, law enforcement, homeland security, and US transnational relations.

ADM 270: Crime and Delinquency

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course focuses on the nature and extent of the most significant types of criminal and delinquent behavior of juvenile offenders as well as the major theories and factors that may explain such behavior. The course also explores the origin and development of the juvenile justice system and examines the relevant crime control strategies, treatment and rehabilitation programs, and the criminal justice processes applicable to juvenile procedures. C-ID AJ-220.

ADM 280: Criminal Investigation

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on the fundamentals of criminal investigations, including investigative techniques relevant to particular types of crime (e.g., fingerprint/DNA collection, other scientific evidence, surveillances, eyewitness identification, interviews, interrogations, and searches) and the relevant legal and ethical considerations related to such techniques. The course reviews crime scene management and processing, including chain of custody issues and available scientific tests, with an emphasis on recording, collecting, and preserving physical evidence. Students also learn the importance of documentation and preparation for testimony at various legal proceedings. C-ID AJ-140.

ADM 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

ADM 296: Topics in Administration of Justice

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Administration of Justice that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Areas of Study & Courses

ADM 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

American College English

The American College English (ACE) area of study provides advanced English skill instruction to bilingual or multilingual students who desire the development of stronger academic writing, reading, vocabulary, and oral communication skills for success in college courses. ACE courses emphasize critical thinking and clear communication to prepare students for all college-level work. The ACE 149 and ACE 150 composition courses are UC/CSU transferable and lead students directly to ENGL 100.

Contact Information

Chair: Mary Gross

Dean: Antonio Alarcon

<https://www.miracosta.edu/academics/degree-and-certificate-programs/esl/american-college-english.html>

Department: English as a Second Language

Office: Administration Building, San Elijo Campus, 760.634.7879

Full-Time Faculty

Mary Gross

Courses

ACE 149: Introduction to Academic Writing for Students from Multilingual Backgrounds

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ENGL 49 or ESL 149.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is designed for students from diverse language backgrounds who are making a transition to the use of academic English and who require the development of writing skills. The course emphasizes critical thinking, reading, and writing. It provides practice in gathering, organizing, and communicating information and in applying the principles and conventions of standard edited American English. UC CREDIT LIMITATION: Credit for ACE 149 or ESL 149.

ACE 150: Introduction to College Composition for Students from Multilingual Backgrounds

Units: 4

Prerequisites: ACE 149, ENGL 49, ESL 149, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in ESL 150.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course, designed for students from diverse language backgrounds, offers intensive practice in the writing process, critical reading, and critical thinking. It also provides practice in acquiring, synthesizing, and communicating information and in applying the principles and conventions of standard edited American English. UC CREDIT LIMITATION: Credit for ACE 150 or ESL 150.

ACE 296: Topics in American College English

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in American College English that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Anthropology

Anthropologists study human behavior from a biological, historical, cultural, and social perspective. Students take anthropology courses to prepare for a major or to fulfill general education requirements. A bachelor's degree in anthropology can lead to a career in data analysis, social services, education, journalism, advertising, international relations,

government service, field research, contract archaeology, museums, zoological parks, and nonprofit organizations.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Lynne Miller
Dean: Michael Fino
<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/anthropology/index.html>

Department: Social Science
Office: Building OC3600,
 760.757.2121 x6924

Full-Time Faculty

Lynne Miller
 Alexis Tucker Sade

Associate Degrees

Associate of Arts Degree

Anthropology for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for an anthropology degree, an emphasis or option within an anthropology degree, or a degree considered similar to anthropology at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as an anthropology major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcomes

Upon successful completion of this program, students will be able to:

- ▶ Demonstrate an appreciation for the biological and cultural diversity of humans around the world.
- ▶ Evaluate how biological and cultural processes have shaped the human species.
- ▶ Compare and contrast methods for collecting and analyzing evidence across the subfields of anthropology as a science.

Required courses:

ANTH 101	Biological Anthropology *	3
or ANTH 101H	Biological Anthropology (Honors)	
ANTH 102	Cultural Anthropology *	3
or ANTH 102H	Cultural Anthropology (Honors)	
ANTH 103	Introduction to Archaeology *	3
List A: Select a minimum of three units from the following.		3-5

NOTE: If ANTH 101L or ANTH 101LH is selected, an additional course must also be selected from this list.

ANTH 101L	Biological Anthropology Laboratory *	
or ANTH 101LH	Biological Anthropology Lab (Honors)	
GEOG 104	World Geography *	
MATH 103	Statistics * , **	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOC 125	Introduction to Statistics in Sociology	
List B: Select one course (3 units).		3-4

Any course from List A not already used.

BIO 210	Human Anatomy	
or BIO 210H	Human Anatomy (Honors)	
PSYC 205	Research Methods in Psychology	
or SOC 205	Introduction to Research Methods in Sociology	
List C: Select one course (3 units).		3

Any List A or List B course not already used.

ANTH 104	Native American Cultures *	
ANTH 105	Evolution of Human Behavior *	
ANTH 105H	Evolution of Human Behavior (Honors) *	
ANTH 107	Gender, Sex, and Sexuality *	
ANTH 190	Primate Behavior and Ecology *	
ANTH 190H	Primate Behavior and Ecology (Honors) *	
COMM 215	Intercultural Communication *	
GEOG 102	Cultural Geography *	
HIST 107	East Asian Societies *	
HIST 142	Mexican American History Since 1877 *	
HIST 142H	Mexican American History Since 1877 (Honors) *	
HIST 146	African American History Since 1877 *	
HIST 146H	African American History Since 1877 (Honors) *	
MUS 113	The Music of America *	
RELG 101	World Religions *	
RELG 101H	World Religions (Honors) *	

SOC 207

Race and Ethnic Relations *

Total Units

18-21

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the statistics and honors courses listed are also GE courses.

** PSYC 104/PSYC 104H or SOC 125 is recommended to complete this degree.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Courses

ANTH 101: Biological Anthropology

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ANTH 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course examines the biological basis for animal forms and behaviors, including basic genetics and evolution theory; primate classification, ecology, and social behavior; the fossil and archaeological evidence for early human life; and the evolutionary basis for modern human variation in appearance and behavior. UC CREDIT LIMITATION: Credit for ANTH 101 or ANTH 101H. C-ID ANTH-110.

ANTH 101H: Biological Anthropology (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ANTH 101.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This honors course offers highly motivated students an advanced introduction to the study of human biology, behavior, and evolution. Topics to be explored include the scientific method; evolution theory; basic genetics; primate classification, ecology, and social behavior; the fossil and archaeological evidence for early human lifeways; and the evolutionary basis for modern human variation in appearance and behavior. UC CREDIT LIMITATION: Credit for ANTH 101 or ANTH 101H. C-ID ANTH-110.

ANTH 101L: Biological Anthropology Laboratory

Units: 1

Prerequisites: ANTH 101 or ANTH 101H.

Enrollment Limitation: Concurrent enrollment in ANTH 101 or ANTH 101H if prerequisite not met. Not open to students with prior credit in ANTH 101LH.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

Designed to accompany ANTH 101/ANTH 101H, this laboratory allows students to garner practical experience with the scientific method, genetic models, simulations of evolutionary processes, primate skeletal anatomy, primate behavior and ecology, human osteology, human variation, and casts and artifacts representing selected stages in human evolution. UC CREDIT LIMITATION: Credit for ANTH 101L or ANTH 101LH. C-ID ANTH-115L.

ANTH 101LH: Biological Anthropology Lab (Honors)

Units: 1

Prerequisites: ANTH 101 or ANTH 101H.

Enrollment Limitation: Concurrent enrollment in ANTH 101 or ANTH 101H if prerequisite not met. Not open to students with prior credit in ANTH 101L.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

Designed to accompany ANTH 101/ANTH 101H, this laboratory allows students to garner practical experience with the scientific method, genetic models, simulations of evolutionary processes, primate skeletal anatomy, primate behavior and ecology, human osteology, human variation, and casts and artifacts representing selected stages in human evolution. This honors lab offers highly motivated students a chance to explore each topic in greater depth and breadth. UC CREDIT LIMITATION: Credit for ANTH 101L or ANTH 101LH. C-ID ANTH-115L.

ANTH 102: Cultural Anthropology

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ANTH 102H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course explores how anthropologists study and compare human cultures, including variation in subsistence patterns, social and political organization, economic systems, systems of communication, kinship and family structure, belief systems, aesthetic expression, and recognition of race, ethnicity, gender, and sexuality. Cultural anthropology also explores how cultures have been impacted by colonialism and are being shaped by globalization and demonstrates the value of the discipline in the form of applied anthropology. Anthropologists employ high ethical standards while exploring diversity in human culture and highlight the importance of understanding and appreciating that diversity. UC CREDIT LIMITATION: Credit for ANTH 102 or ANTH 102H. C-ID ANTH-120.

ANTH 102H: Cultural Anthropology (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ANTH 102.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This honors course offers highly motivated students an advanced introduction to the study of human culture. It explores how anthropologists study and compare human cultures, including variation in subsistence patterns, social and political organization, economic systems, systems of communication, kinship and family structure, belief systems, aesthetic expression, and recognition of race, ethnicity, gender, and sexuality. Cultural anthropology also explores how cultures have been impacted by colonialism and are being shaped by globalization, and it demonstrates the value of the discipline in the form of applied anthropology. Anthropologists employ high ethical standards while exploring diversity in human culture and highlight the importance of understanding and appreciating that diversity. UC CREDIT LIMITATION: Credit for ANTH 102 or ANTH 102H. C-ID ANTH-120.

ANTH 103: Introduction to Archaeology

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This course explores archaeological theory and method, including techniques of field excavations and laboratory analysis. It also uses archaeological data to understand cultures of the past, including Stone Age lifeways, early farming cultures, and emergent civilizations around the world, such as the ancient Egyptians, Maya, and Inca. The course also examines current issues in cultural resource management, ethics in archaeology, and the role of archaeology within the broader field of anthropology. C-ID ANTH-150.

ANTH 104: Native American Cultures

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course explores the diversity of Native American cultures, including PaleoIndians (known largely from archaeological evidence) and more recent groups (known from historical documents and ethnographic accounts). The course employs the perspective of 'cultural ecology' to investigate how environments influence many facets of human culture, including economic systems, social systems, family structure, and art and ritual.

ANTH 105: Evolution of Human Behavior

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ANTH 105H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This course explores the biological basis and evolutionary value of human behavior. Students explore current research in genetics and epigenetics, neuroanatomy, physiology, and endocrinology to understand behaviors such as sex differences in cognition, personality, parenting strategies, mating behaviors, and lifetime responses to stress. UC CREDIT LIMITATION: Credit for ANTH 105 or ANTH 105H.

ANTH 105H: Evolution of Human Behavior (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ANTH 105.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This honors course offers highly motivated students an advanced opportunity to explore the biological basis and evolutionary value of human behavior. Students explore current research in genetics and epigenetics, neuroanatomy, physiology, and endocrinology to understand behaviors such as sex differences in cognition, personality, parenting strategies, mating behaviors, and lifetime responses to stress. This honors course also challenges students to conduct independent research. UC CREDIT LIMITATION: Credit for ANTH 105 or ANTH 105H.

ANTH 107: Gender, Sex, and Sexuality

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course explores and compares the diverse cultural categories of gender and sex including their grounding in biological functions, belief systems, kinship, and popular representation across the globe. It explores sexuality as more than a biological process, viewing sexuality as a human cultural expression. This course contextualizes gender, sex, and sexuality within broader cultural systems as well as global interactions to understand how these categories are shaped and, in turn, shape our lives.

ANTH 190: Primate Behavior and Ecology

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ANTH 190H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course explores principles of animal behavior and ecology from an evolutionary perspective. Topics include predator avoidance, foraging strategies, mating behaviors, the development of social groups, culture and cognition, and current issues in conservation. The course also addresses research methodology and requires an observational project of primates at the San Diego Zoo. UC CREDIT LIMITATION: Credit for ANTH 190 or ANTH 190H.

ANTH 190H: Primate Behavior and Ecology (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ANTH 190.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This honors course offers highly motivated students an opportunity for advanced analysis of principles of animal behavior and ecology from an evolutionary perspective. Topics include predator avoidance, foraging strategies, mating behaviors, the development of social groups, culture and cognition, and current issues in conservation. The course also addresses research methodology and requires an observational project of primates at the San Diego Zoo. UC CREDIT LIMITATION: Credit for ANTH 190 or ANTH 190H.

ANTH 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

ANTH 296: Topics in Anthropology

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Anthropology that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Art

The Art Department offers theoretical and practical courses in the traditional disciplines of art and art history as well as in new genre and photographic arts. Students take art courses to prepare for a major in art or art history, to meet general education requirements, or for personal growth. Career paths include working artist, teacher, graphic designer, photographer, sculptor, curator in a museum or gallery, conservator, appraiser, and work in related fields, such as marketing and advertising.

Academic and Career Pathway: Creative and Applied Arts

Contact Information

Chair: Gilbert Neri

Dean: Jonathan Fohrman

<https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/art/index.html>

Department: Art

Office: Building OC2700,
760.795.6844

Full-Time Faculty

Leah Cluff

Xuchi Eggleton

Lauren Greenwald

Yoshimi Hayashi

Gilbert Neri

Dean Ramos

Associate Degrees

Associate in Arts Degree

Art History for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for an art history degree, an emphasis or option within an art history degree, or a degree considered similar to art history at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as an art history major and

to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will possess knowledge and mastery of a variety of art historical methodologies, be able to identify major movements in art and architecture, and be able to convey ideas and concepts about artwork, artists, and the socio-cultural milieu in which artworks were created.

Required courses:

ART 100	Drawing and Composition *	3
ART 258	Ancient to Gothic Art *	3
ART 259	History of Renaissance to Modern Art *	3

List A: Select one course. 3

ART 158	Traditional Arts of Africa, Oceania, and the Americas *	
ART 159	Pre-Columbian Art *	
or ART 159H	Pre-Columbian Art (Honors)	

List B: Select one course. 3

ART 101	Design and Color *	
ART 103	3D Design *	
ART 203	Figure Drawing I	
ART 207	Film Photography I	
ART 216	Sculpture	
ART 225	Ceramics I	
ART 245	Digital Art and Media	

List C: Select one course. 3

ART 260	History of Modern Art *	
or ART 260H	History of Modern Art (Honors)	
ART 270	History and Theory of Museum and Gallery Exhibition	
ART 271	Museum and Gallery Exhibition	

Total Units 18

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: The honors courses listed are also GE courses.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Studio Arts for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a studio arts degree, an emphasis or option within a studio arts degree, or a degree considered similar to studio arts at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a non-participating CSU campus or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a studio arts major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to define and demonstrate a variety of art-making techniques and skills in both traditional and contemporary art processes and idioms.

Required Core (12 units):

ART 100	Drawing and Composition *	3
ART 101	Design and Color *	3
ART 103	3D Design *	3
ART 259	History of Renaissance to Modern Art *	3

List A (select one course): 3

ART 158	Traditional Arts of Africa, Oceania, and the Americas *	
ART 254	Understanding and Appreciating the Photographic Image *	
ART 258	Ancient to Gothic Art *	
ART 260	History of Modern Art *	
ART 260H	History of Modern Art (Honors) *	

List B (select three courses): 9

ART 102	Drawing and Composition II	
ART 201	Objects and Ideas in Contemporary Art *	
ART 202	Painting I: Acrylic	
ART 203	Figure Drawing I	
ART 204	Painting I: Oils	
ART 205	Painting I: Watercolor	
ART 206	Mixed Media Figure Studies I	
ART 207	Film Photography I	
ART 210	Printmaking I	
ART 216	Sculpture	
ART 217	Figure Sculpture I	
ART 223	Woodworking and Furniture Design I	
ART 225	Ceramics I	
ART 230	Installation Art	
ART 232	Video Art	
ART 234	Kinetic Art *	
ART 244	Digital Media for the Visual Artist *	
ART 245	Digital Art and Media	
ART 251	Digital Photography	
Total Units		24

* Course satisfies a general education requirement on the CSU-GE or IGETC general education pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree Digital Photography

Students may earn the above-named associate degree by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 67)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to identify major movements, artwork, and artists in historical and contemporary photography, and demonstrate an understanding of different photo techniques.

Certificate

Certificate of Achievement Digital Photography

The Digital Photography certificate offers education and training in the use of digital cameras, related equipment, and editing tools and techniques for creating photographic portfolios, websites, and multimedia projects. Students produce

a professional-quality printed portfolio. The program's emphasis may be in fine art or commercial photography.

Program Student Learning Outcome Statement

Upon completion of this program, the student will be able to:

- identify major movements, artwork, and artists in historical and contemporary photography, and demonstrate understanding of different photo techniques.
- possess photographic and digital imaging knowledge and be able to identify fine art and commercial career pathways and apply current, photographic technology using professional and industry standards.

Required courses:		
ART 207	Film Photography I	3
ART 244	Digital Media for the Visual Artist	3
ART 251	Digital Photography	3
ART 253	Applied Digital Photography	3
Select at least 6 units from the following:		6
ART 208	Film Photography II	
ART 210	Printmaking I	
ART 245	Digital Art and Media	
ART 254	Understanding and Appreciating the Photographic Image	
ART 268	Film Photography III	
ART 269	Film Photography IV	
ART 292	Internship Studies	
ART 295	Visual Art/Professional Practice	
BUS 130	Entrepreneurship and Small Business Management	
MAT 110	Digital Imaging 1: Adobe Photoshop	
MAT 210	Digital Imaging 2: Advanced Photoshop	
Total Units		18

Certificate of Achievement Museum Studies

The Museum Studies certificate is designed for students interested in transfer to four-year degree programs related to museum and gallery fields of study. The certificate offers education and experience related to the issues of exhibition, collection, preservation, and marketing of objects of display in museum or gallery spaces. Students produce a formal exhibition at MiraCosta College's Kruglak Gallery. The student's emphasis may be in either museum or gallery studies; emphases in museum display may cover a range of academic disciplines or specialties.

Program Student Learning Outcome Statement

Upon completion of this program, the student will be able to:

- analyze and communicate critically formulated ideas and concepts about the care, display, maintenance, and/or sale of object collections as commonly found in museums or galleries.
- have documentable experience in the care, display, maintenance, and/or sale of object collections.

Required courses:		
ART 270	History and Theory of Museum and Gallery Exhibition	3
ART 271	Museum and Gallery Exhibition	3
Required - Choose 4 courses from the following (12 units):		12
ART 158	Traditional Arts of Africa, Oceania, and the Americas	
ART 159 or ART 159H	Pre-Columbian Art Pre-Columbian Art (Honors)	
ART 254	Understanding and Appreciating the Photographic Image	
ART 258	Ancient to Gothic Art	
ART 259	History of Renaissance to Modern Art	
ART 260 or ART 260H	History of Modern Art History of Modern Art (Honors)	
Choose one of the following courses (1-3 units):		1-3
ART 101	Design and Color	
ART 201	Objects and Ideas in Contemporary Art	
ART 223 or ART 224	Woodworking and Furniture Design I Woodworking and Furniture Design II	
ART 292	Internship Studies	
ANTH 102 or ANTH 102H	Cultural Anthropology Cultural Anthropology (Honors)	
BUS 130	Entrepreneurship and Small Business Management	
HIST 110 or HIST 110H	United States History to 1877 United States History to 1877 (Honors)	
HIST 111 or HIST 111H	United States History Since 1877 United States History Since 1877 (Honors)	
Total Units		19-21

Courses Related in Content (CRC)

Active participatory art courses that are related in content are grouped together. Students are allowed four enrollments within each CRC group, but each course may be taken only once unless its catalog description indicates it is repeatable. Enrollments include any combination of course completions (with an evaluative or nonevaluative symbol recorded on the student's transcript), withdrawals, and repetition.

Ceramics CRC

ART 225	Ceramics I
ART 226	Ceramics II
ART 227	Ceramics III
ART 228	Ceramics IV

Design CRC

ART 101	Design and Color
ART 201	Objects and Ideas in Contemporary Art

Digital CRC

ART 244	Digital Media for the Visual Artist
ART 245	Digital Art and Media

Digital Photography CRC

ART 251	Digital Photography
ART 253	Applied Digital Photography
Drawing CRC	
ART 100	Drawing and Composition
ART 102	Drawing and Composition II
ART 200	Drawing III
ART 203	Figure Drawing I
ART 213	Figure Drawing II
ART 263	Figure Drawing III
Film Photography CRC	
ART 207	Film Photography I
ART 208	Film Photography II
ART 268	Film Photography III
ART 269	Film Photography IV
Mixed Media Representation CRC	
ART 206	Mixed Media Figure Studies I
ART 211	Mixed Media Figure Studies II
ART 261	Mixed Media Figure Studies III
New Genre CRC	
ART 230	Installation Art
ART 232	Video Art
ART 234	Kinetic Art
Painting: Oil Based Media CRC	
ART 204	Painting I: Oils
ART 214	Painting II: Oils
ART 264	Painting III: Oils
Painting: Water Based Media CRC	
ART 202	Painting I: Acrylic
ART 205	Painting I: Watercolor
ART 212	Painting II: Acrylic
ART 215	Painting II: Watercolor
ART 241	Painting III: Acrylic
ART 242	Painting III: Watercolor
Printmaking CRC	
ART 210	Printmaking I
ART 218	Printmaking II
ART 221	Printmaking III
ART 222	Printmaking IV
ART 262	Introduction to Silkscreen
Sculpture CRC	
ART 103	3D Design
ART 216	Sculpture
ART 217	Figure Sculpture I
ART 219	Figure Sculpture II
Woodworking CRC	
ART 223	Woodworking and Furniture Design I
ART 224	Woodworking and Furniture Design II
ART 229	Woodworking and Furniture Design III
ART 239	Woodworking and Furniture Design IV

Courses

ART 100: Drawing and Composition

Units: 3

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among ART 100, ART 102, ART 200, ART 203, ART 213, and ART 263.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This beginning course develops basic drawing skills. Students explore a variety of media and creative approaches, and they improve their perceptual abilities and personal expression. The course covers problems of value, structure, and composition using a variety of themes. It also integrates art history, theory, and criticism. C-ID ARTS-110.

ART 101: Design and Color

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring, and Summer

Students explore and learn the language of design principles and color theory through visual problem solving. They create design projects using acrylic paint, ink, drawing, and mixed media on paper and other support surfaces. They also research, analyze, and evaluate elements of design and color in a range of art disciplines, including painting and drawing, graphic design, print and digital media, sculpture and public art, video and performance, architecture, and other popular arts. Students are required to attend field trips. C-ID ARTS-100, ARTS-270.

ART 102: Drawing and Composition II

Units: 3

Prerequisites: ART 100.

Enrollment Limitation: Maximum of four enrollments among ART 100, ART 102, ART 200, ART 203, ART 213, and ART 263.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This course provides for the continued development of basic drawing skills introduced in ART 100. It emphasizes a creative approach using black and white and color media while exposing students to a variety of contemporary approaches toward space, scale, and content. The course also encourages students to develop personal expression through the combined manipulations of subject matter and materials. C-ID ARTS-205.

ART 103: 3D Design

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring, and Summer

In this sculpture course, students examine the language of three-dimensional form, structure, and space. The course develops personal expression, using a variety of themes and subject matter by ordering three-dimensional space through basic materials, such as clay, plaster, metal, and wood. It offers experiences with differing approaches within cultural contexts and integrates history, theory, and criticism, showing the interrelationship of the creative arts, humanities, and the self in western and non-western cultures. (Materials Fee: \$25) C-ID ARTS-101.

ART 104: Artists & Designers Now

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course examines contemporary ideas and processes of art and design through the study of living artists and designers'. A historical overview provides context to movements and issues in art since the 1960s as preparation for visiting artists' and designers' presentations, video screenings, and visits to art and design exhibitions and/or studios. Students gain insight into ideas and material methods in diverse media including, but not limited to painting, drawing, sculpture, performance, photography, installation, 2D and 3D design production, and electronic media. This course is for beginning students in the field of art and design and related disciplines.

ART 157: Art Orientation

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This basic art appreciation course introduces world art forms, techniques, traditions, and aesthetics. It emphasizes both western and world art in historical and cultural contexts. Students examine visual artworks related to mortality and immortality, sustenance and survival, sexuality and gender, power and politics, and race and class. Students are required to visit a local public artwork or museum/gallery.

ART 158: Traditional Arts of Africa, Oceania, and the Americas

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces the non-Western arts of Africa, Oceania, and the Americas. It explores methodology and materials in diverse media as they reflect various cultures from ancient to contemporary periods. Museum visits are required. C-ID ARTH-140.

ART 159: Pre-Columbian Art

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ART 159H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course covers the arts of the indigenous peoples of Mesoamerica and South America. It surveys the various cultures of those areas from ancient periods to the points of European contact, emphasizing content and style of materials in diverse media. Museum visits may be required. UC Credit Limitation: Credit for ART 159 or ART 159H.

ART 159H: Pre-Columbian Art (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ART 159.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This honors course introduces highly motivated students to the arts of the indigenous peoples of Mesoamerica and South America. It surveys the various cultures of those areas from ancient periods to the points of European contact, emphasizing content and style of materials in diverse media. Museum visits may be required. UC Credit Limitation: Credit for ART 159 or ART 159H.

ART 200: Drawing III

Units: 3

Prerequisites: ART 102.

Enrollment Limitation: Maximum of four enrollments among ART 100, ART 102, ART 200, ART 203, ART 213, and ART 263.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This advanced drawing course focuses on contemporary drawing practices and conceptual thinking in the development of an individualized portfolio. Students apply subjective perspectives to selected subject matter and content using a variety of drawing media and large scale formats. Field trips to gallery and museum exhibitions, both on campus and in the community, are required.

ART 201: Objects and Ideas in Contemporary Art

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall or Spring

This course examines the ideas, concepts, and processes in contemporary art through presentations of vanguard artwork of the twenty-first century. Topics include the historical and cultural contexts of contemporary art and artists in western and non-western cultures. Students create three-dimensional art projects using unconventional materials in tandem with traditional materials and methods. Students are required to attend field trips. (Materials Fee: \$30.00)

ART 202: Painting I: Acrylic

Units: 3

Prerequisites: None

Advisory: ART 100 or ART 101

Enrollment Limitation: Maximum of four enrollments among ART 202, ART 205, ART 212, ART 215, ART 241, and ART 242.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This course covers composition, techniques, and theory of painting using acrylic paint. Students investigate various acrylic painting techniques, art historical traditions, and theoretical positions. Coursework includes lecture, lab, critique, and independent projects. Students may be required to attend field trips to art exhibitions.

ART 203: Figure Drawing I

Units: 3

Prerequisites: None

Advisory: ART 100

Enrollment Limitation: Maximum of four enrollments among ART 100, ART 102, ART 200, ART 203, ART 213, and ART 263.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This beginning drawing course focuses on representation of the human figure. Students work from nude models and digital resources using materials such as charcoal, pencil, ink, and pastels. They learn how to depict action in quick gesture drawings as well as produce more complex tonal drawings with emphasis on composition and expression. Topics include basic anatomy, structure, and proportion with equal emphasis placed on line quality, value, and media control. C-ID ARTS-200.

ART 204: Painting I: Oils

Units: 3

Prerequisites: None

Advisory: ART 100 or ART 101

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

Students study past and present practices in painting and work from various subjects, including still life, landscape, figures, portraits, or mixed imagery, either from life or two-dimensional references. Learning to be creative and analytical in painting images and forms, students develop skills in painting techniques, color mixing, composition, design, and personal concepts using traditional or water soluble oils. C-ID ARTS-210.

ART 205: Painting I: Watercolor

Units: 3

Prerequisites: None

Advisory: ART 100 or ART 101

Enrollment Limitation: Maximum of four enrollments among ART 202, ART 205, ART 212, ART 215, ART 241, and ART 242.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This course investigates and experiences the unique characteristics of watercolor painting. Course topics explore compositional strategies, practical techniques, and theoretical concepts of painting using watercolor. Students study and apply various painting techniques, art historical traditions, and theoretical positions. Coursework includes lecture, lab, critique, and independent projects.

ART 206: Mixed Media Figure Studies I

Units: 3

Prerequisites: None

Advisory: ART 100 or ART 204

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

Working from a posed model, students explore various approaches to representing the human figure using a choice of media, including oils, acrylics, ink, or pastels. Students study form and structure, inspired by the rich world traditions of art history, contemporary art practices, and individual creativity.

ART 207: Film Photography I

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This film photography course provides an in-depth study of the camera and its functions, working with film processing and printing techniques, lighting techniques, compositional and conceptual techniques, presentation, and exhibition of finished work. Areas of emphasis include black-and-white-photography, working with light-sensitive materials, exploring analog processes, and developing and executing photographic projects. Note: This is not a digital photography course, but in extreme or unusual circumstances, use of digital media may be integrated into instruction.

ART 208: Film Photography II

Units: 3

Prerequisites: ART 207.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall or Spring

This course builds upon skills learned in Film Photography I (ART 207). Topics include intermediate and advanced techniques using a range of cameras and photographic processes. Students explore photography as a means of visual communication and creative expression, using darkroom materials, alternative photographic techniques, hybrid digital, and other analog processes to produce photographic work within a contemporary context. The course culminates with a professional portfolio of finished work.

ART 210: Printmaking I

Units: 3

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments between/among ART 210, ART 218, ART 221, ART 222, ART 262.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces woodcut, etching, lithography, and contemporary printmaking techniques. It emphasizes craftsmanship and individual expression and encourages experimentation in the use of materials.

ART 211: Mixed Media Figure Studies II

Units: 3

Prerequisites: ART 206.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This course provides students an opportunity to further their investigation of the human figure in contemporary painting. Objectives include the development of personal vision and alternative venues of expression. Students study twentieth and twenty-first century figurative artists, and they work from both live models and photographic references using a variety of mixed media, including oil or acrylic paint.

ART 212: Painting II: Acrylic

Units: 3

Prerequisites: ART 202.

Enrollment Limitation: Maximum of four enrollments among ART 202, ART 205, ART 212, ART 215, ART 241, and ART 242.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This course emphasizes intermediate practices in acrylic painting. Students create expressive works using a variety of techniques and materials unique to acrylics. Students study historic and current painters and contemporary painting trends. The course utilizes digital technology for artistic research and development.

ART 213: Figure Drawing II

Units: 3

Prerequisites: ART 203.

Enrollment Limitation: Maximum of four enrollments among ART 100, ART 102, ART 200, ART 203, ART 213, and ART 263.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

In this intermediate life drawing course students create drawings of human figures, promoting visual acuity while exploring expressive drawing techniques and concepts in contemporary studio practice. The visual forms of the figure are strengthened through continued applications of two-dimensional drawing methods and practice. Figurative subjects are derived from nude models in the classroom, digital resources, and photos.

ART 214: Painting II: Oils

Units: 3

Prerequisites: ART 204.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This course emphasizes intermediate practices in oil painting to create artwork in a context of personal meaning, narrative, and relevance for portfolio development. Students study artworks specific to the history of oil painting and contemporary practice while building technical skill and exploring alternative methods and materials. The course introduces digital technology as a preparatory tool for artists.

ART 215: Painting II: Watercolor

Units: 3

Prerequisites: ART 205.

Enrollment Limitation: Maximum of four enrollments among ART 202, ART 205, ART 212, ART 215, ART 241, and ART 242.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This course emphasizes intermediate practices in watercolor painting. Students continue to explore compositional methods while developing a portfolio of expressive paintings using techniques and materials unique to watercolor. Students study historic traditions and contemporary painters, trends, theoretical positions, and methods. This course utilizes digital and traditional technology for artistic research and development.

ART 216: Sculpture

Units: 3

Prerequisites: ART 103.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course concentrates on the exploration and refinement of a wide range of sculptural techniques and strategies, and it includes three-dimensional art theory. Students work with traditional mediums, such as clay, wood, and metal. The course also introduces students to installation and public works as well as time-based and kinetic art. (Materials Fee: \$25.00)

ART 217: Figure Sculpture I

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall or Spring

This introductory-level figure sculpture course uses the human form as subject matter. Students work from digital sources, photos, imagination, and models. They develop conceptual drawings and maquettes and work with a variety of materials, such as clay, plaster, metal, cardboard, and fabric, to produce finished artworks. (Materials Fee: \$25)

ART 218: Printmaking II

Units: 3

Prerequisites: ART 210.

Enrollment Limitation: Maximum of four enrollments between/among ART 210, ART 218, ART 221, ART 222, ART 262.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring, and Summer

Students study past and present practices in printmaking and a variety of techniques to further their skills in the medium. This course furthers students' knowledge of woodcut, etching, lithography, and contemporary printmaking techniques. It emphasizes print studio operations, particularly press maintenance and the formulation of wet materials.

ART 219: Figure Sculpture II

Units: 3

Prerequisites: None

Advisory: ART 217

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall or Spring

This intermediate-level figure sculpture course uses the human form as subject matter. Students work from researched images, photos, imagination, and models. They develop conceptual drawings and maquettes and work with a variety of materials, such as clay, plaster, metal, and wood, to produce finished artworks. (Materials Fee: \$25)

ART 221: Printmaking III

Units: 3

Prerequisites: ART 218.

Enrollment Limitation: Maximum of four enrollments between/among ART 210, ART 218, ART 221, ART 222, ART 262.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring, and Summer

In this advanced-level printmaking course, students study past and present practices in printmaking and a variety of techniques to further their skills in the medium and their knowledge of woodcut, etching, lithography, and contemporary printmaking techniques. The course covers non-traditional print methods as well as mixed media printing and emphasizes print studio operations, particularly press maintenance, and the formulation of wet materials.

ART 222: Printmaking IV

Units: 3

Prerequisites: ART 221.

Enrollment Limitation: Maximum of four enrollments between/among ART 210, ART 218, ART 221, ART 222, ART 262.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is designed for semi-professional students wishing to major in art with an emphasis in printmaking. Students work closely with the instructor to create a cohesive body of work for a portfolio or exhibition. The course emphasizes documenting and analyzing one's artwork. Students should contact the instructor prior to enrollment to discuss topics related to the medium. Students are required to visit exhibitions and attend field trips to view artworks.

ART 223: Woodworking and Furniture Design I

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This course teaches woodworking skills and covers the nature of hardwoods and softwoods, the mechanics of shaping/joining, and the proper and safe use of hand and power tools. It examines both traditional and contemporary work and emphasizes the creation of individual, unique designs. Students are required to pay a materials fee. NOTE: In times of unusual/extreme circumstances, instructional format, processes (construction and finishing techniques such as use of tools), assignments, and materials may be altered to accommodate a home studio or alternative modalities. (Materials Fee: \$25)

ART 224: Woodworking and Furniture Design II

Units: 3

Prerequisites: ART 223.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

Students continue developing their woodworking skills by examining traditional and contemporary woodworking designs and practices and by learning intermediate-level hand and power tool techniques. The course emphasizes studio operations, particularly safety and electric and hand operated machine maintenance. It requires students to express concepts and ideas through the wood medium. NOTE: In times of unusual/extreme circumstances, instructional format, processes (construction and finishing techniques such as glazing/firings), assignments, and materials may be altered to accommodate a home studio or alternative modalities. (Materials Fee: \$25)

ART 225: Ceramics I

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This introductory ceramics course explores techniques, materials, and traditions of pottery. It emphasizes hand building and/or use of the potter's wheel and encourages the creative use of clay, glaze, technique, and firing. (Materials Fee: \$25)

ART 226: Ceramics II

Units: 3

Prerequisites: ART 225.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

Students study past and present practices in ceramics with a variety of techniques and clay bodies to further their skills in the medium. The course places a strong emphasis on ceramics studio operations, particularly the formulation of clay bodies and glazes. Topics include firing and construction of kilns. The course emphasizes combining hand building and throwing techniques to produce artworks. (Materials Fee: \$25.00)

ART 227: Ceramics III

Units: 3

Prerequisites: ART 226.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall or Spring

This advanced-level ceramics course focuses on ceramics studio operations, particularly the formulation of clay bodies and glazes. Topics may include alternative firings and construction of kilns. The course emphasizes combining hand building and/or throwing techniques to produce artworks. The course covers a broad definition of ceramics as a medium and investigates mixed medium designs. (Materials Fee: \$25.00)

ART 228: Ceramics IV

Units: 3

Prerequisites: ART 227.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall or Spring

This course is designed for advanced students wishing to major in art with an emphasis in ceramics. Students work closely with the instructor to create a cohesive body of work for a portfolio or exhibition. The course emphasizes documenting and analyzing one's artwork. Students should contact the instructor prior to enrollment to discuss topics related to the medium. Students are required to view exhibitions in person and/or online. (Materials Fee: \$25.00)

ART 229: Woodworking and Furniture Design III

Units: 3

Prerequisites: ART 224.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This advanced woodworking and furniture design course requires students to express concepts and ideas through the wood medium. Students continue developing their woodworking skills by examining traditional and contemporary woodworking designs and practices and applying these references into their work. Topics include advanced-level hand and/or power tool techniques, studio operations, particularly safety and electric and hand operated machine maintenance, and mixed media woodworking techniques. (Materials Fee: \$25)

ART 230: Installation Art

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall

Installation art is a form of advanced multimedia sculpture that is interactive and site-specific. In this in-depth and hands-on study of installation art, students learn about the historical and theoretical development of contemporary art practices, such as installation, hybrid-media environments, land art, and traditional art media used in conjunction with photography, video, computing, and/or performance. Students also conceptualize and produce installation, interactive, and site-specific artworks. (Materials Fee: \$25.00)

ART 232: Video Art

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall even years

This course introduces video as a medium of artistic expression, personal narrative, and cultural inquiry. Students examine the art-historical origins of video and its evolution over time as well as its place in contemporary art. Through a project-based structure, students learn historical, theoretical, and creative uses of video art through hands-on video capture, editing, and presentation in a gallery setting.

ART 234: Kinetic Art

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall or Spring every 3rd sem

This course covers the history and practice of movement in art. It combines the use, study, and practice of movement, machines, and performance as a means of personal expression, social intervention, political act, and cultural reclamation and as a noncommercial strategy of contemporary art. Students design, plan, and exhibit kinetic artworks that pertain to the historical movements covered.

ART 239: Woodworking and Furniture Design IV

Units: 3

Prerequisites: ART 229.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This course is designed for semi-professional students wishing to major in art with an emphasis in woodworking and furniture design. Students work closely with the instructor to create a cohesive body of work for a portfolio or exhibition. The course emphasizes documenting and analyzing one's artwork. Students should contact the instructor prior to enrollment to discuss topics related to the medium. Students are required to visit exhibitions and attend field trips to view artworks. (Materials Fee: \$25.00)

ART 241: Painting III: Acrylic

Units: 3

Prerequisites: ART 212.

Enrollment Limitation: Maximum of four enrollments among ART 202, ART 205, ART 212, ART 215, ART 241, and ART 242.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall or Spring

This course teaches advanced acrylic painting practices. Students further develop technical and conceptual skills acquired in previous sections, learn new techniques, and produce a series of works that exhibit awareness of contemporary painting. Lectures interpret historic and current painters. Students continue to develop their own style and their portfolios. The course utilizes digital technology, such as cameras, computers, and projection devices.

ART 242: Painting III: Watercolor

Units: 3

Prerequisites: ART 215.

Enrollment Limitation: Maximum of four enrollments among ART 202, ART 205, ART 212, ART 215, ART 241, and ART 242.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall or Spring

This course teaches advanced watercolor painting practices. Students further develop technical and conceptual skills acquired in previous sections, learn new techniques, and produce a series of works that exhibit awareness of contemporary painting. Lectures interpret historic and current painters. Students continue to develop their own style and their portfolios. The course utilizes digital technology, such as cameras, computers, and projection devices.

ART 244: Digital Media for the Visual Artist

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This studio art course investigates the intersection of visual representation, contemporary art, and two-dimensional digital imaging and motion-based artwork from an aesthetic, historical, and artistic perspective for the contemporary artist. Technical instruction in the course, through the use of digital imaging software such as Adobe Photoshop, globally supports the study of artistic and theoretical principles. Students develop problem-solving and visual strategies that deepen their understanding of the connection among technology, personal expression, and the universal language of art. Projects emphasize the creation of original artwork with current software and hardware solutions.

ART 245: Digital Art and Media

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall

This course provides an introduction to the historical and theoretical foundations of digital art as well as hands-on production of digital art using a broad range of applications and computer hardware. The course introduces students to raster, vector, web, and time-based applications that allow them to learn the fundamentals of visual communication, website production, manipulation of images, design elements, animation, sound, video and the production of multimedia artworks. Students create digital projects that fuse the theoretical, historical, and cultural aspects of digitally based art through the practical application of computer-based skills. (Materials Fee: \$15.00) C-ID ART-250.

ART 251: Digital Photography

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course uses digital cameras and the computer as tools to create photographic imagery. Students explore camera controls, principles of composition, and photographic theory and techniques using state-of-the-art hardware and programs. Students learn editing techniques appropriate for print and electronic presentations. The course addresses ethical considerations regarding image manipulation and ownership. Students may use digital camera images, scanned negatives, or slides to produce a final print portfolio.

ART 253: Applied Digital Photography

Units: 3

Prerequisites: ART 251.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This course provides students with the opportunity to apply skills acquired in ART 251 while developing a personal style. It offers a continued study of photographic theory, composition, content development, digital camera/hardware handling, studio lighting, and industry standards for color management, along with archival inkjet printing techniques. Students explore photography as a visual language and expressive medium, and they observe industry practices through onsite visits to local business, galleries, and service bureaus. The course culminates with the creation and production of a professional portfolio of photographs.

ART 254: Understanding and Appreciating the Photographic Image

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course surveys the history of still photography from the discipline's inception to the present digital age. It explores the medium of photography as a form of visual communication in historical, socio-political, and cultural contexts. Topics include the evolution of photographic images, process, delivery, and meaning. Students develop visual literacy through verbal and written analyses.

ART 258: Ancient to Gothic Art

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course surveys Western art from antiquity through the Gothic period. It emphasizes the content and stylistic aspects of major art works in painting, sculpture, architecture, and craft media. C-ID ARTH-110.

ART 259: History of Renaissance to Modern Art

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course surveys Western art history from the Renaissance to the twentieth century. Students examine how religious, cultural, and philosophical aspects of European and American society impacted and were influenced by art and architecture during this time. C-ID ARTH-120.

ART 260: History of Modern Art

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ART 260H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course covers European and American art forms, primarily painting, sculpture, and architecture, from the beginning of modernism in the mid-19th century to contemporary art in the 21st century. Students learn to delineate themes, styles, and techniques indicative of various time periods and to differentiate among 20th and 21st century art movements.

UC CREDIT LIMITATION: Credit for ART 260 and ART 260H. C-ID ARTH-150.

ART 260H: History of Modern Art (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ART 260.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This honors course introduces highly motivated students to European and American art forms, primarily painting, sculpture, and architecture, from the beginning of modernism in the mid-19th century to contemporary art in the 21st century. Students learn to delineate themes, styles, and techniques indicative of various time periods and to differentiate among 20th and 21st century art movements. UC CREDIT LIMITATION: Credit for ART 260 or ART 260H. C-ID ARTH-150.

ART 261: Mixed Media Figure Studies III

Units: 3

Prerequisites: ART 211.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

Students advance their methods and practice in the investigation of the human figure as a departure point for personalized content. Objectives include the advancement of conceptual strategies and a mastery of mixed media practice to create a portfolio of introspective figurative artworks. Students study contemporary and historical figurative artists as they work from both live models and photographic references using a variety of selected wet and dry mixed media along with alternative materials. Field trips to gallery and museum exhibitions, both on campus and in the community, are required.

ART 262: Introduction to Silkscreen

Units: 3

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments between/ among ART 210, ART 218, ART 221, ART 222, ART 262.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall or Spring

This course introduces silkscreen, or serigraphy, within contemporary printmaking applications for the creation of multicolor prints using water-based techniques. The course includes instruction in direct and indirect methods of screen production, focusing on photo-based processes, as well as manual and digital applications. Course content includes demonstrations of technique, critiques, discussions, lectures, studio work, and visiting artist lectures. It emphasizes craftsmanship and individual expression and encourages experimentation in the use of materials.

ART 263: Figure Drawing III

Units: 3

Prerequisites: ART 213.

Enrollment Limitation: Maximum of four enrollments among ART 100, ART 102, ART 200, ART 203, ART 213, ART 263.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Spring

Students in this advanced course create drawings of human figures in the classroom and from invented, found, and appropriated sources. Students further develop technical and conceptual skills acquired in previous courses, learn new techniques, and produce a series of works that exhibit awareness of contemporary figure drawing. The course emphasizes self-expression and experimentation as students develop their own style and portfolios. Field trips to gallery and museum exhibitions are required.

ART 264: Painting III: Oils

Units: 3

Prerequisites: ART 214.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall or Spring

This course furthers the development of contemporary painting practices in oil paint at an advanced level. Students develop a series of paintings based on a conceptual narrative and apply learned techniques and paint applications as explored through individual investigations and collective research. The assigned projects integrate digital technology into the design, production, and documentation of the course work. Field trips to galleries and museum exhibitions, both on campus and in the community, are required.

ART 268: Film Photography III

Units: 3

Prerequisites: ART 208.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall or Spring

This course builds upon skills learned in Film Photography II (ART 208). In this advanced-level photography course, students study historical and contemporary practices in image-making and a variety of techniques to further their skills in the medium. The course covers non-traditional and alternative printing processes as well as incorporating digital tools and mixed-media approaches, and it emphasizes the development of a broader definition of photographic practice within the student's skill set. The course culminates with a professional portfolio of finished work.

ART 269: Film Photography IV

Units: 3

Prerequisites: ART 268.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall or Spring

This course is designed for advanced students wishing to major in art with an emphasis in photography. Students work closely with the instructor to create a cohesive body of work for a portfolio or exhibition. The course emphasizes production, documentation, and analyzing one's artwork and is intended to aid in preparing a portfolio for application for transfer into a university program. Students should contact the instructor prior to enrollment to discuss topics related to the medium. Students are required to visit exhibitions and attend field trips to view artworks and advance their understanding of contemporary art and practice. Students are required to produce a final portfolio or exhibition at the end of the semester.

ART 270: History and Theory of Museum and Gallery Exhibition

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This course introduces students to the history of museum and gallery exhibitions as well as to the theories behind historical and contemporary museum and gallery exhibition design. It relates these ideas to art exhibitions and to those in anthropological and science collections. Topics include the history of exhibition and display, exhibition design and layout, collections management, and publicity. Museum visits may be required.

ART 271: Museum and Gallery Exhibition

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Spring

This course introduces students to the practical requirements of operating a museum or gallery. It provides detailed information about museum and gallery departments and roles as well as experiences with planning, designing, installing, and publicizing exhibitions.

ART 290: Landmarks of Art

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This course examines art and architecture on-site within cultural and historical contexts. It surveys selected periods of Western and non-Western traditions and emphasizes understanding the visual arts representing the tradition and evolution of a culture, from ancient to contemporary periods. The course incorporates field trips to local artistic landmarks and emphasizes art appreciation in travel experiences. The course includes preparatory lectures and on-site discussions. Students are required to attend several field trips and provide their own transportation to each site. Field trip dates and locations will be announced on the first class meeting.

ART 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

ART 295: Visual Art/Professional Practice

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Spring

Designed for the student artist, this course examines professional practices, career goals, and educational choices in the visual arts. Students produce a professional portfolio that includes documentation of artwork, resume, an artist statement and biography, digital image files, and printed images. Students also collaboratively organize, prepare, and produce an exhibition in a gallery setting. The course includes visits to museums, galleries, college art programs, artists' lectures and/or design businesses.

ART 296: Topics in Art

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Art that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

ART 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Occupational Cooperative Work Experience Education is intended for students employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Astronomy

Astronomy, the oldest of scientific studies, has played a vital role in the development of modern science. Astronomers study the formation, composition, and evolution of various objects, such as planets, stars, galaxies, nebulae, black holes, and the universe itself. Students take astronomy courses to prepare for a major in astronomy or to fulfill general education requirements. Career options include, but are

not limited to, science journalist, museum or planetarium director, observatory technician, telescope operator, optics or electronics technician, computer programmer, mathematician, formal or informal educator, spacecraft or instrument engineer, mission data analyst, earth or space scientist, and astronomer/astrophysicist.

Academic and Career Pathway: Math and Sciences

Contact Information

Chair: Erika Peters (Physical Sciences)

Dean: Michael Fino

<https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/astronomy/index.html>

Department: Physical Sciences

Office: Building OC3600,
760.757.2121 x6924

Full-Time Faculty

Rica Sirbaugh French

Courses

ASTR 101: Descriptive Astronomy

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This introductory course surveys the entire universe while emphasizing the nature and process of physical science. Topics include the Earth-Sun-Moon system, Newton's laws and gravitation, historical astronomy, electromagnetic radiation, optics and telescopes, stars, galaxies, cosmology, and astrobiology. UC CREDIT LIMITATION: No credit if taken after ASTR 201.

ASTR 101L: Descriptive Astronomy Laboratory

Units: 1

Prerequisites: ASTR 101 or ASTR 201.

Enrollment Limitation: Concurrent enrollment in ASTR 101 or ASTR 201 if prerequisite not met.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This is a hands-on introduction to the methods and techniques of observational astronomy and data/error analysis. It emphasizes the collection, presentation, and interpretation of astronomical observations. Students learn to use a planisphere, read star charts, and operate small telescopes. Through indoor activities, computer simulations, and by making naked-eye, binocular, and telescopic observations, students explore such topics as seasons, lunar phases, rotation of the Earth, optics, light and spectroscopy, planets, stars, galaxies, and cosmology.

ASTR 120: Life in the Universe

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This introductory course surveys the study for life in the universe from the Big Bang to implications of contact with an extraterrestrial civilization while emphasizing the nature and process of physical science. Topics include the formation and evolution of the universe; origin, evolution, and nature of life on Earth; the definitions of "life" and "habitability"; potential in our solar system and beyond; methods of interstellar communication and travel; implications of contact; science vs. pseudoscience; and the status of the search to-date.

ASTR 201: Introductory Astronomy

Units: 3

Prerequisites: MATH 64, MATH 64S, or eligibility determined by the math placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring even years

This introductory course surveys the entire universe with an emphasis on analytical, mathematical, and problem-solving skills. Topics include celestial mechanics, electromagnetic radiation and atomic physics, relativity, stellar structure and evolution, black holes, formation and evolution of planetary systems, galaxies, and cosmology. The course is directed toward students with a strong preparation and interest in science and mathematics.

ASTR 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Athletics

Athletics courses emphasize advanced-level instruction and training in skills, techniques, strategies, and leadership necessary to participate in intercollegiate athletics.

Academic and Career Pathway: Health Sciences

Contact Information

Dean: Nick Mortaloni

<https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/athletics/index.html>

Office: Building OC3441,

760.757.2121 ext. 6260

Courses

ATHL 100: Volleyball Techniques

Units: 0.5-1

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Summer

This activity class integrates volleyball theory with practice in game situations. Topics include volleyball techniques, strategies, and rules. (May be repeated three times.) UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 102: Intercollegiate Volleyball, Women

Units: 3.5

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 10.50 hours.

Course Typically Offered: Fall

This class emphasizes advanced-level instruction and training in volleyball skills, techniques, strategies, and leadership. Students develop team-playing skills by interacting with opponents, teammates, coaches, and officials. (May be repeated three times.) UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 103: Intercollegiate Beach Volleyball, Women

Units: 3.5

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 10.50 hours.

Course Typically Offered: Spring

This course emphasizes advanced-level instruction and training in beach volleyball. Students develop skills, techniques, and strategies that are applied to intercollegiate beach volleyball competition. (May be repeated three times.) UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 117: Basketball Competition

Units: 0.5-1

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall

This class emphasizes advanced-level instruction and training in basketball skills, techniques, strategies, and leadership. Students apply basketball rules to game situations and integrate strategies into competition and team play. (May be repeated three times.) UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 118: Basketball Techniques

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Spring

This activity class integrates basketball theory with practice in game situations. Topics include basketball techniques, strategies, and rules. (May be repeated three times.) UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 134: Soccer

Units: 0.5-1

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Spring

This soccer class emphasizes basic fundamentals of individual play such as ball control, dribbling, trapping, shooting, and passing. The course exposes students to the basic rudiments of offensive and defensive tactics through participation in game situations, often using modified rules to emphasize specific skills, and it introduces and reviews the rules of the game in context. (May be repeated three times.) UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 135: Soccer Competition

Units: 1

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Spring, Summer

This class emphasizes advanced-level instruction and training in soccer skills, techniques, strategies, and leadership. Students apply soccer rules to game situations and integrate strategies into competition and team play. (May be repeated three times.) UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 171: Intercollegiate Basketball, Men/Women

Units: 2

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 6 hours.

Course Typically Offered: Fall

This class emphasizes an intermediate level of instruction and training in basketball skills, techniques, strategies, and leadership. Students develop team-playing skills by interacting with opponents, teammates, coaches, and officials. Students develop increased proficiency and skill development with each repetition. (May be repeated three times.) UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 172: Intercollegiate Basketball, Men/Women (Advanced)

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 4.50 hours.

Course Typically Offered: Spring

This class emphasizes instruction and training in advanced basketball skills, techniques, strategies, and leadership. Students develop team-playing skills by interacting with opponents, teammates, coaches, and officials. Students develop increased proficiency and skill development with each repetition. (May be repeated three times.) UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 188: Intercollegiate Soccer, Men/Women

Units: 3.5

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 10.50 hours.

Course Typically Offered: Fall

This class emphasizes an advanced level of instruction and training in soccer skills, techniques, and strategies. Students demonstrate increased proficiency and skill attainment with each repetition. (May be repeated three times.) UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

Automotive Technology

The Automotive Technology program prepares students for entry-level automotive mechanic positions and provides training for persons already employed in the industry. Automotive courses also prepare students for various state licenses and national certifications, including tests administered by Automotive Service Excellence (ASE). Career options include auto mechanic/repair technician, professional automotive detailer, service manager, and parts specialist. Potential employers include automotive dealerships and independent repair facilities.

Academic and Career Pathway: Business and Technology

Contact Information

Chair: Paul Katson
Dean: Al Taccone
<https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/automotive-technology/>

Department: Automotive Technology
Office: Building OC4800, 760.795.6811

Full-Time Faculty

Paul Katson
 Steve Vail
 Arnoldo Williams

Associate Degree

Associate in Arts Degree

Automotive Technology

Students may earn the above-named associate degree by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 67)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Program Student Learning Outcome Statement

- Upon completion of this program, students will possess the knowledge and skills necessary to perform brake, suspension, engine, and electrical repair, service, and diagnostic procedures as an entry-level automotive technician.

Certificates

Certificate of Achievement

Automotive Electronics, Computers, and Emissions and/or HVAC

The Automotive Electronics, Computers, Emissions/HVAC program includes course work in the theory and function of automotive electronics and computer systems. It emphasizes basic automotive electronics, diagnostics, drivability, heating, ventilation, and air conditioning and/or emission controls, including smog-check procedures.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to synthesize knowledge of electrical systems and computer technology to diagnose, service, and repair electrical and computer communication circuits as they relate to automotive drive-train and accessory systems, with an emphasis in emissions and/or heating, ventilation, and air conditioning.

Required courses:		
AUTO 130	Basic Engine Performance	2
AUTO 135	Auto Electronic Fundamentals	4
AUTO 235	Advanced Electronics and Electronic Engine Control Systems	4
Select one of the following:		3-6

AUTO 125 & AUTO 225	CA Smog Technician Engine and Emission Control - Level 1 and Smog Check Training Inspection Procedures - Level 2
AUTO 220	HVAC Heating, Ventilation, and Air Conditioning

Total Units

13-16

Certificate of Achievement

Automotive/Motorcycle Maintenance and Light Repair

This four course certificate of achievement is designed to serve students who wish to learn automotive, small engine, and motorcycle maintenance and light repair. It is designed to afford students with limited time and/or economic constraints the means to quickly enter the industry as an entry level lube tech, lot porter, detailer, parts counter salesperson, technician's assistant, or entrepreneur.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be prepared to pass the G1 ASE examination.

Required courses:		
AUTO 100	Basic Motorcycle Maintenance and Small Engine Repair	4
AUTO 102	Preventive Maintenance and Engine Performance	4
AUTO 105	Automotive Reconditioning and Detailing	4
AUTO 135	Auto Electronic Fundamentals	4
Total Units		16

Certificate of Achievement

Automotive Technology

This certificate is designed to prepare students for entry-level auto mechanic positions at local dealerships and independent repair facilities. Courses are designed to prepare students for various state licenses and national certification. After completion of these courses, students are qualified to take the Automotive Service Excellence (ASE) tests in engine performance, engine repair, brakes, and steering and suspension, and they will possess entry-level service and repair skills on hybrid and alternative-fuel powered vehicles. Students interested in the ASE Certificate as a Master Automobile Technician need to complete other specific courses listed in the catalog to prepare for the additional test areas.

Program Student Learning Outcome Statement

- Upon completion of this program, students will possess the knowledge and skills necessary to perform brake, suspension, engine, and electrical repair, service, and diagnostic procedures as an entry-level automotive technician.

Required courses:		
AUTO 135	Auto Electronic Fundamentals	4
AUTO 140	Automotive Engine Technology	4

AUTO 141	Automotive Engine Performance and Drivability	4
AUTO 160	Automotive Suspension, Steering, and Alignment	4
AUTO 161	Automotive Brake Service and Repair	4
AUTO 200	Automotive Electric and Hybrid Vehicles	4
Total Units		24

Certificate of Achievement

California Smog Check Technician

The California Smog Check Technician certificate prepares students for the California Smog Technician Licensing Examination and entry-level positions as smog check technicians and positions in the automotive reconditioning field.

Program Student Learning Outcome Statement

- Upon completion of this program, students will possess the knowledge necessary to sit for the State of California Smog Technicians Examination and the skills necessary for entry-level employment as a smog technician in a state-approved smog test only or smog test and repair facility.

Required courses:		
AUTO 102	Preventive Maintenance and Engine Performance	4
AUTO 125	CA Smog Technician Engine and Emission Control - Level 1	4
AUTO 225	Smog Check Training Inspection Procedures - Level 2	2
Please select one course from the following:		3-4
AUTO 105	Automotive Reconditioning and Detailing	
AUTO 205	Automotive Reconditioning and Paint Fundamentals	
BUS 135	Personal Selling	
Total Units		13-14

Certificate of Achievement

Electric, Hybrid, and Alternative-Fuel Vehicle Technician

This certificate qualifies students for entry-level employment as electric, hybrid, and alternative-fuel vehicle technicians. Students learn the theory, safety, and hands-on procedures for maintenance, service, and repair of full electric, hybrid electric, hydrogen electric, and alternative-fuel powered vehicles. The certificate program requires basic courses in the automotive technologies utilized by all electric and hybrid vehicles, including automotive electrical, engine performance, alignment, suspension, and brakes.

Program Student Learning Outcome Statement

- Upon successful completion of this program, students will be prepared to pass the ASE A4, A5, A6, and L3 national examinations.

Required courses:		
AUTO 130	Basic Engine Performance	2
AUTO 135	Auto Electronic Fundamentals	4
AUTO 160	Automotive Suspension, Steering, and Alignment	4
AUTO 161	Automotive Brake Service and Repair	4
AUTO 200	Automotive Electric and Hybrid Vehicles	4
AUTO 201	Alternative Fuel Vehicles	2
Total Units		20

Certificate of Achievement

Master Technician

Students interested in the ASE Certificate as a Master Technician need to complete all of the required courses for the MiraCosta College Automotive Technology Certificate of Achievement as well as several other courses to prepare for the additional test areas. Students may earn the MiraCosta College Master Technician Certificate of Achievement by completing the following courses.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be proficient in theory, practiced in hands-on service, and sufficiently prepared to pass the national ASE examination for each of the courses which make up the certificate of achievement.

Required courses:		
AUTO 105	Automotive Reconditioning and Detailing	4
or AUTO 125	CA Smog Technician Engine and Emission Control - Level 1	
AUTO 135	Auto Electronic Fundamentals	4
AUTO 140	Automotive Engine Technology	4
AUTO 141	Automotive Engine Performance and Drivability	4
AUTO 155	Manual Transmissions and Transaxles	4
AUTO 156	Automatic Transmissions and Transaxles	4
AUTO 160	Automotive Suspension, Steering, and Alignment	4
AUTO 161	Automotive Brake Service and Repair	4
AUTO 200	Automotive Electric and Hybrid Vehicles	4
or AUTO 235	Advanced Electronics and Electronic Engine Control Systems	
AUTO 205	Automotive Reconditioning and Paint Fundamentals	2-4
or AUTO 225	Smog Check Training Inspection Procedures - Level 2	
AUTO 220	HVAC Heating, Ventilation, and Air Conditioning	3
Total Units		41-43

Certificate of Proficiency

Automotive Electronics

This certificate prepares students for the Automotive Service Excellence (ASE) Electrical/Electronic Systems (A6) examination as well as for entry-level employment in electrical and electronic areas of the automotive service industry.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, students will be proficient in the theory and application of Basic and Advanced automotive electrical systems.

Required courses:

AUTO 135	Auto Electronic Fundamentals	4
AUTO 235	Advanced Electronics and Electronic Engine Control Systems	4

Total Units 8

Certificate of Proficiency

Automotive Quick Service Assistant

This certificate offers training in basic automotive service and maintenance along with the sales training needed for employment as a quick service technician.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, students will be proficient in basic automotive knowledge and relative business practices.

Required courses:

AUTO 102	Preventive Maintenance and Engine Performance	4
BUS 135	Personal Selling	3

Total Units 7

Certificate of Proficiency

Automotive Repair: Drive-Train Specialist

This certificate prepares students for entry-level auto mechanic positions at local dealerships and independent repair facilities. The program focuses on diagnosis and repair of internal engine components for domestic and import vehicles. Students take apart engines and transmissions and put them back together from the ground up. This certificate prepares students for the Automotive Service Excellence (ASE) examinations for engine repair and automatic and manual transmissions.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, students will be proficient in the theory and practice of heavy line/drive-train service and repair.

Required courses:

AUTO 130	Basic Engine Performance	2
AUTO 140	Automotive Engine Technology	4
AUTO 155	Manual Transmissions and Transaxles	4

AUTO 156	Automatic Transmissions and Transaxles	4

Total Units 14

Certificate of Proficiency

Automotive Alignment, Brakes, and Suspension

This certificate prepares students for the Automotive Service Excellence (ASE) Suspension and Steering (A4) and Brakes (A5) examinations and for entry-level employment in the suspension and brake areas of the automotive service industry.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, students will be proficient in theory, practiced in hands-on service, and sufficiently prepared to pass the ASE examination in each of the courses which constitute the certificate of proficiency.

Required courses:

AUTO 160	Automotive Suspension, Steering, and Alignment	4
AUTO 161	Automotive Brake Service and Repair	4

Total Units 8

Certificate of Proficiency

Basic Engine Performance

This certificate prepares students for the Automotive Service Excellence (ASE) Engine Performance (A8) examination and for entry-level employment in the engine performance area of the automotive service industry.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, students will be proficient in the theory and practice of engine repair and engine performance.

Required courses:

AUTO 140	Automotive Engine Technology	4
AUTO 141	Automotive Engine Performance and Drivability	4

Total Units 8

Certificate of Proficiency

Electric Vehicle, Hybrid Vehicle, and Engine Performance

This certificate prepares students for entry-level positions at automotive facilities that service and repair internal combustion, electric, and hybrid vehicles.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, students will qualify for entry level positions at automotive facilities that service and repair electric, hybrid, and alternative fuel vehicles.

Required courses:

AUTO 102	Preventive Maintenance and Engine Performance	4
AUTO 130	Basic Engine Performance	2

AUTO 200	Automotive Electric and Hybrid Vehicles	4

Total Units		10

Courses

AUTO 100: Basic Motorcycle Maintenance and Small Engine Repair

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This introductory course combines theory with practical experience to provide students with the necessary skills to perform two- and four-cycle small engine maintenance, tune-up, and repair. The course covers the operation, maintenance, and repair of landscaping management equipment as well as an intensive study of the theory and repair of motorcycle systems. The course is designed for students without small engine experience and those who wish to acquire entry level skills in motorcycle maintenance and repair.

AUTO 102: Preventive Maintenance and Engine Performance

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

Designed to develop an understanding of the operation, care, preventive maintenance, and light repair of the automobile, this course covers all major systems and components, including tires, wheels, brakes, suspensions, characteristics of fuel, oil, and lubricants; maintenance of smog devices; basic engine performance, automotive electronics procedures; and safety factors. Students apply hands-on service, diagnostic, and light repair procedures to prepare them for entry level positions in the automotive industry. C-ID AUTO-110X.

AUTO 105: Automotive Reconditioning and Detailing

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers interior and exterior detailing processes, including identification of paint condition and types, use of car-care chemicals, machine polishing, maintenance of the paint surface, and customer communication. The course also covers inspection procedures for roadworthiness and safety, including an overview of the retail certification processes for used vehicles prior to sale.

AUTO 110: History of the Automobile

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course surveys the history, culture, and societal impact of the automobile in the United States from the early twentieth century through present times. Students examine how the automobile has transformed American society and how it continues to influence social status, consumer purchasing, advertising, consumption, transportation choices, and urban design. The course also explores the automobile's impact on modern day manufacturing processes, technological innovations, market competition, environmental concerns, and governmental regulations.

AUTO 125: CA Smog Technician Engine and Emission Control - Level 1

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course (plus other requirements and course work) prepares students to qualify for the California Smog Check Technician Examination using Nissan and other Asian manufacturer-specific and standard Bureau of Automotive Repair (BAR) materials. The course covers the following BAR-certified course: Engine and Emission Control Training Level 1 (formerly known as the Clean Air Car course).

AUTO 130: Basic Engine Performance

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the theory and operation of the internal combustion engine. Topics include cooling, lubrication, ignition, fuel systems, and emission control systems, as well as maintenance and servicing procedures. It also introduces students to hybrid technology and computerized systems, and prepares them for AUTO 141 Automotive Engine Performance and Driveability.

AUTO 135: Auto Electronic Fundamentals

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course prepares students for the study of automotive electrical and electronic computer control systems. It covers the fundamentals of electricity, electromagnetism, electromagnetic induction, electronics, and D/C and A/C current theory. The course provides in-depth coverage of voltage, amperage, resistance, and Ohm's Law, and it emphasizes electronic principles and proper use of a Digital Volt Ohm Meter (DVOM). Topics include the overall theory, service, and testing of the battery, charging system, starter, and ignition. This class prepares students for the ASE A6 Exam and California State Headlight Adjusters license.

AUTO 140: Automotive Engine Technology

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to automotive engine mechanical theory and repair. Topics include four-cycle engine theory and operation, lubrication and cooling system service and repair, and engine removal and installation. In the on ground or hybrid course students disassemble, inspect, and assemble engine blocks and cylinder heads to factory specifications. In the 'online only' course students perform the same lab tasks in a virtual environment. This course prepares students for the Automotive Service Excellence (ASE) A1 Engine Repair examination.

AUTO 141: Automotive Engine Performance and Drivability

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This engine performance course covers diagnostics, service, and repair of fuel, ignition, starting, charging, emission, and computer systems. Students use state-of-the-art equipment to diagnose and repair problems using proper repair techniques, automotive safety, and service protocol. This course helps prepare students for the Automotive Service Excellence (ASE) A8 Engine Performance examination and entry-level employment as engine performance technicians.

AUTO 155: Manual Transmissions and Transaxles

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course introduces the theory, service, and repair of manual transmissions (RWD) and manual transaxles (FWD). Students learn to identify, evaluate, service, remove, and replace transmissions and transaxles. Topics include theory, service, and repair of manual and hydraulic clutch systems and driveline components. (Note: When the course is taught online, the lab tasks and instructor demonstration are performed in a virtual environment.) The course helps students prepare for the Automotive Service Excellence (ASE) A3 Manual Transmission examination. C-ID AUTO-130X.

AUTO 156: Automatic Transmissions and Transaxles

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course introduces the theory, service, and repair of automatic transmissions (RWD) and automatic transaxles (FWD). Students learn to identify, evaluate, service, remove, and replace transmissions and transaxles. Topics include theory, service, and repair of electronic assist automatic transmission components and related driveline components. (Note: When the course is taught online, the lab tasks and instructor demonstration are performed in a virtual environment.) This course helps prepare students for the Automotive Service Excellence (ASE) A2 Automatic Transmission examination. C-ID AUTO-120X.

AUTO 160: Automotive Suspension, Steering, and Alignment

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course covers automotive passenger car and light truck alignment, steering, and suspension systems. It emphasizes the theory and function of modern front- and rear-wheel drive suspension systems and equipment, safety procedures, proper service techniques, component failure analysis, and repair. Students practice alignment procedures on state-of-the-art alignment equipment. This course prepares students for the Automotive Service Excellence (ASE) A4 Suspension and Steering examination. Note: When the course is offered online, lab tasks and instructor demonstration are performed in a virtual environment.

AUTO 161: Automotive Brake Service and Repair

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course covers the theory, service, and repair of hydraulic brake, antilock brake, traction control, and regenerative brake systems. Students learn complete service and repair of front and rear brake systems. The course includes measuring and machining brake rotors and drums to factory specifications, using proper safety protocols, diagnostic strategies, and repair techniques. Students practice these techniques on state-of-the-art stationary and on-the-car brake lathe equipment. This course prepares students for the Automotive Service Excellence (ASE) A5 Brakes examination.

AUTO 200: Automotive Electric and Hybrid Vehicles

Units: 4

Prerequisites: None

Advisory: AUTO 102 or AUTO 130.

Acceptable for Credit: CSU

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers the theory, safety procedures, service, and repair of automotive hybrid, electric, and hydrogen powered vehicles. The course emphasizes design, specialized tools, equipment, and component failure analysis. Students learn the complex theories of high voltage DC electrical systems, AC synchronous traction motors, regenerative braking, hydrogen fuel cell technology, and the unique characteristics of hybrid internal combustion engines coupled with manufacturer-specific service and repair protocol. This course introduces students to existing and future alternative fuel technologies and prepares them for entry-level employment as electric and hybrid/electric vehicle technicians. C-ID ALTF-100X

AUTO 201: Alternative Fuel Vehicles

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall or Spring

This alternative fuel vehicles course emphasizes biodiesel, natural gas, propane, biofuels derived from algae, alcohol/ethanol products (cellulosic and crop-based), and new propulsion sources currently under development. Students learn basic diesel and biodiesel technology, including oil titration and biodiesel production. The course covers the properties of gasoline, alcohol, ethanol, methanol, pressurized fuels such as natural gas and propane, and how crude oil is derived from algae production for use as a carbon-neutral internal combustion alternative. It also examines the environmental, ethical, political, and geopolitical ramifications of the production of these fuels. This course prepares students for employment as entry-level alternative fuel specialists and fleet vehicle attendants.

AUTO 205: Automotive Reconditioning and Paint Fundamentals

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course covers procedures for automotive reconditioning and paint refinishing fundamentals. Topics include exterior and interior cosmetic reconditioning processes consisting of paint touch-up, bumper repair, interior surface repair, rotary polishing, and introduction to paintless dent removal (PDR). The course also covers automotive business start-up procedures.

AUTO 220: HVAC Heating, Ventilation, and Air Conditioning

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Summer

This course covers the fundamental theories, diagnosis, service, and repair practices of automotive air conditioning and heating systems. Topics include the procedures of recovering the refrigerant, replacing parts, evacuating, charging the air conditioning units, retrofitting, and computer-controlled climate control systems. This course helps prepare students to pass the Automotive Service Excellence (ASE) A7 heating, ventilation, and air conditioning test. C-ID AUTO-170X.

AUTO 225: Smog Check Training Inspection Procedures - Level 2

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Spring

This course (plus other requirements and course work) prepares students to qualify for the California Smog Check Technician Examination using Nissan and other Asian manufacturer-specific and standard Bureau of Automotive Repair (BAR) materials. The course covers the Smog Check Training Inspection Procedures Level 2 BAR-certified course.

AUTO 235: Advanced Electronics and Electronic Engine Control Systems

Units: 4

Prerequisites: AUTO 135.

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course covers advanced automotive electrical systems and computerized engine control systems as they relate to fuel/air management, ignition, emission controls, and accessory electronics. It provides in-depth coverage of engine management sensors, actuators, and transaxle electronic controls, and it emphasizes OBD II systems and computerized CAN BUS communications. The course includes infotainment systems and hybrid/EV safety, and it prepares students for the ASE A6 certification exam in automotive electrical and electronic systems.

AUTO 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

AUTO 296: Topics in Automotive Technology

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Automotive Technology that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

AUTO 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Biology

Biology is the science of life and living organisms, including their structure, function, growth, origin, evolution, and distribution. Students take biology courses to prepare for a biology major, to fulfill general education requirements, and to meet prerequisites for related courses. A bachelor's degree in biology can lead to careers in areas such as health sciences, biotechnology, research, environmental sustainability, marine science, and education.

Academic and Career Pathway: Math and Sciences

Contact Information

Chair: Suzie Bailey

Dean: Michael Fino

<https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/biology/index.html>

Department: Biological Sciences

Office: Building OC3600, 760.757.2121 x6924

Full-Time Faculty

Suzie Bailey

Raymond Clark

Stacey Hull

Jeff Ihara

Himgauri Kulkarni

Pedro Morgado

Jeanine Sepulveda

John Thomford

Tina Walker

Janelle West

Associate Degrees

Associate in Science Degree

Biology for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a biology degree, an emphasis or option within a biology degree, or a degree considered similar to biology at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a biology major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.* *
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

** Students must use the CSU-GE Breadth or IGETC general education pattern for STEM majors to complete the degree in 60 units. This allows for the completion of 6 units of non-STEM general education coursework after transfer. Please see a counselor for further details.

Program Student Learning Outcomes

Upon successful completion of the program, students are able to:

- ▶ apply their understanding of the interconnections and interactions of molecular, cellular, and organismal levels of biological organization to the evaluation of biological phenomena.
- ▶ demonstrate their understanding of the relationship between molecular, cellular, and organism-level structure and the relevant cellular, organismal, and ecological contexts in which they arose through adaptation.
- ▶ apply the process of science and appropriate quantitative skills to the analysis, interpretation and evaluation of biological phenomena at various levels of biological organization.

Required courses:

BIO 202	Foundations of Biology: Evolution, Biodiversity, and Organismal Biology	4
BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology	4
or BIO 204H	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology (Honors)	

List A:

CHEM 150	General Chemistry I: For Science Majors	5
or CHEM 150H	General Chemistry I: For Science Majors (Honors)	
CHEM 151	General Chemistry II: For Science Majors	5
or CHEM 151H	General Chemistry II: For Science Majors (Honors)	
MATH 150	Calculus and Analytic Geometry I	5
or MATH 150H	Calculus and Analytic Geometry I (Honors)	

Choose one sequence below: 8

PHYS 111 & PHYS 112	Introductory Physics I and Introductory Physics II	
PHYS 151 & PHYS 152	Principles of Physics I and Principles of Physics II	
or PHYS 151H	Principles of Physics I (Honors)	
or PHYS 152H	Principles of Physics II (Honors)	

Total Units **31**

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their

transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Courses

BIO 102: Introductory Biology: Ecology and Environmental Biology

Units: 4

Prerequisites: None

Advisory: ENGL 50, ACE 150, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This general education life science course is intended for non-science track students. Using an interdisciplinary approach, students explore ecology and address current environmental issues, while seeking sustainable solutions. Course activities may include lectures, group discussions, lab observations and experimentation, simulation exercises, field work, case studies, and research projects.

BIO 103: Introductory Biology: Animal Diversity

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in BIO 202.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This life sciences course challenges students to think critically and demonstrate hypothetico-deductive reasoning within basic biological concepts, such as evolution, ecology, behavior, physiology, and development, while focusing on diversity within the animal kingdom. This course is intended for non-science majors. UC CREDIT LIMITATION: Credit for BIO 103, BIO 105, BIO 110, or BIO 111.

BIO 104: Introductory Biology: Botany (Plant Life)

Units: 4

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Spring

This introductory course examines plant anatomy, physiology, and classification. It provides a broad perspective of biological concepts and principles and covers both unicellular and multicellular systems. Topics include structure and function of life, metabolism and manipulation of energy, cell division, genetics, taxonomy, and the evolution and adaptation of living organisms. Field trips may be required.

BIO 105: Introductory Biology: Biotechnology in Society

Units: 3

Prerequisites: None

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This introductory course relates basic biology to the emerging field of biotechnology. Topics include fundamental chemical processes common to all cells, biomolecular chemistry, cellular and molecular biology, classical and molecular genetics, and the molecular basis of immunology and cancer. The course highlights current advances in biotechnology, such as cloning, recombinant DNA technology, and gene therapy as well as the applications, social consequences, and ethical implications of biology and biotechnology in medicine and agriculture. UC CREDIT LIMITATION: Credit for BIO 103, BIO 105, BIO 110, or BIO 111.

BIO 106: Introductory Biology: Infectious Diseases—A Global Concern

Units: 3

Prerequisites: None

Advisory: ENGL 100 or ENGL 100H

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, Summer (odd yrs)

This biology course introduces infectious diseases and causative agents affecting human health on a global scale. It covers basic characteristics of selected pathogens and interrelationships between humans, other animals, and the environment. The course highlights ancient and recent outbreaks of human diseases and discusses factors contributing to disease emergence as well as mechanisms of disease control and prevention.

BIO 107: Introductory Biology: Marine Biology

Units: 4

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This general education life science course introduces basic biological concepts in the context of learning about life in the ocean. The course emphasizes organismal diversity, how animals have adapted to the physical environment and anthropogenic impacts on the ocean including fisheries sustainability. The laboratory portion of the course combines classroom investigation with field exploration and emphasizes the scientific method, current research in the field of marine biology and the development of field sampling techniques. Students attend local field trips.

BIO 108: Introductory Biology: Ecology of the Oceans

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This introductory general education life science course examines the ocean from an ecological perspective. Topics include patterns observed in the marine realm, interactions between organisms and their environment, the flow of energy through food webs, the structure of marine communities, and issues related to marine environmental sustainability and human impacts on ocean ecosystems.

BIO 109: Introductory Biology: The Fundamentals of Life on Earth

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to student's with prior credit in BIO 202.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This is a general course on the study of life and living systems for non-science track students. It introduces the fundamentals of biological mechanism and structure while surveying the dominant forms of life on Earth: animals, plants, and microbes.

BIO 110: Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)

Units: 4

Prerequisites: ACE 150, ENGL 50, or ESL 150; MATH 28 or MATH 30; or eligibility determined by the English or math placement process.

Enrollment Limitation: Not open to students with prior credit in BIO 111 and BIO 111L.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This entry-level course provides a broad perspective of biological concepts and principles with an emphasis on human health. Topics include the process of scientific inquiry, the biochemistry of biomolecules, metabolism and manipulation of energy by plants and animals, cell division, classical and molecular genetics, development, and the evolution and adaptation of living organisms. The laboratory component of this course provides direct participation in experiments, demonstrations, and discussions related to fundamental concepts in biology. This course is designed for pre-health profession students. UC CREDIT LIMITATION: Credit for BIO 103, BIO 105, BIO 110, or BIO 111.

BIO 111: Introductory Biology: Preparation for Pre-Health Professions (Lecture)

Units: 3

Prerequisites: ACE 150, ENGL 50, or ESL 150; MATH 28 or MATH 30; or eligibility determined by the English or math placement process.

Advisory: BIO 111L.

Enrollment Limitation: Not open to students with prior credit in BIO 110.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This entry-level course provides a broad perspective of biological concepts and principles with an emphasis on human health. Topics include the process of scientific inquiry, the biochemistry of biomolecules, metabolism and manipulation of energy by plants and animals, cell division, classical and molecular genetics, development, and the evolution and adaptation of living organisms. This course is designed for pre-health profession students. UC CREDIT LIMITATION: Credit for BIO 103, BIO 105, BIO 110, or BIO 111.

BIO 111L: Introductory Biology: Preparation for Pre-Health Professions (Lab)

Units: 1

Prerequisites: BIO 111, and MATH 28 or MATH 30, or eligibility determined by the math placement process.

Enrollment Limitation: Concurrent enrollment in BIO 111 if prerequisite not met. Not open to students with prior credit in BIO 110.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This laboratory accompaniment to BIO 111 provides direct participation in experiments, demonstrations, and discussions related to fundamental concepts in biology. This course further develops the student's understanding of topics introduced in the lecture.

BIO 190: Survey of Human Musculoskeletal System

Units: 1

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in BIO 210 or BIO 210H.

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Fall, Spring, and Summer

This course examines the anatomy and physiology of the human musculoskeletal system. Upon successful completion, students will be able to demonstrate locations, actions, and roles of skeletal muscles and their associated skeletal attachments. Students study the gross and microscopic anatomy of bones, skeletal muscles, and joints in the human body in health and in disease states through work with human skeletons and models. This course is designed for students enrolled in selected occupational health programs.

BIO 202: Foundations of Biology: Evolution, Biodiversity, and Organismal Biology

Units: 4

Prerequisites: MATH 64, MATH 64S, or eligibility determined by the math placement process.

Advisory: BIO 102 or any college-level biology course with an organismal or populational focus (e.g., BIO 103, BIO 104, BIO 106, BIO 107, BIO 109, BIO 110, BIO 204, BIO 220, or BIO 230).

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course surveys the organismal/meta-organismal half of biological disciplines. Topics include the taxonomy and physiology of prokaryotes and basal eukaryotes; the taxonomy, developmental biology, and physiology of plants and animals; and single-species population dynamics and interspecies interactions in communities. The laboratory emphasizes evolutionary process and mechanism, phylogeny reconstruction, comparative anatomy/physiology/survey of plants and animals, and life history evolution. C-ID BIOL 135S (with BIO 204/BIO 204H) and BIOL-140.

BIO 204: Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology

Units: 4

Prerequisites: CHEM 150 or CHEM 150H.

Enrollment Limitation: Not open to students with prior credit in BIO 204H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course surveys the molecular half of biological disciplines. Topics include biological molecules, metabolic biochemistry, cell biology, molecular biology, and genetics. The laboratory emphasizes modern methods in cell and molecular biology, classical genetics, and experimental design. UC CREDIT LIMITATION: Credit for BIO 204 or BIO 204H. C-ID BIOL-135S (with BIO 202) and BIOL-190.

BIO 204H: Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology (Honors)

Units: 4

Prerequisites: CHEM 150 or CHEM 150H.

Enrollment Limitation: Not open to students with prior credit in BIO 204.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course surveys the molecular half of biological disciplines. Topics include biological molecules, metabolic biochemistry, cell biology, molecular biology, and genetics. The laboratory emphasizes modern methods in cell and molecular biology, classical genetics, and experimental design. This honors course offers highly motivated students the opportunity to complete, document, and discuss independent scientific research. UC CREDIT LIMITATION: Credit for BIO 204 or BIO 204H. C-ID BIOL-135S (with BIO 202) and BIOL-190.

BIO 210: Human Anatomy

Units: 4

Prerequisites: BIO 110, BIO 111, or a minimum 3-unit course in biology that presents principles of cellular life in its curriculum.
Enrollment Limitation: Not open to students with prior credit in BIO 210H.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring, and Summer

This course follows a systemic approach by combining microscopic studies of tissues (histology) and organs along with gross/visual anatomical studies of the human body. Students learn dissection techniques by working with preserved mammalian specimens, including human cadavers. Because the course presents applied clinical situations, it is recommended for students majoring in the allied health field, massage therapy, kinesiology, and physical education. UC CREDIT LIMITATION: Credit for BIO 210 or BIO 210H. C-ID BIOL-110B.

BIO 210H: Human Anatomy (Honors)

Units: 4

Prerequisites: BIO 110, BIO 111, or a minimum 3-unit course in biology that presents principles of cellular life in its curriculum.
Enrollment Limitation: Not open to students with prior credit in BIO 210.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 6 hours.

Course Typically Offered: Fall or Spring

This course offers highly motivated students an enriched opportunity to understand normal human anatomy and to explore select pathologies (abnormal anatomy). It targets students looking for a more challenging academic experience that will include some human dissection and advanced reading of published scientific material. This enhanced course blends the systemic approach to the study of human anatomy with select regional dissections. It combines microscopic studies of tissues (histology) and organs with gross/visual anatomical studies of the human body. UC CREDIT LIMITATION: Credit for BIO 210 or BIO 210H. C-ID BIOL-110B.

BIO 220: Human Physiology

Units: 4

Prerequisites: BIO 110, BIO 111, BIO 204, BIO 204H, BIO 210, or BIO 210H.

Advisory: CHEM 115, CHEM 112, or CHEM 115H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course presents the interrelationships of the various organ systems, based upon the molecular and cellular activities of the organs that comprise those systems. It emphasizes the integration of body systems for maintaining homeostasis through regulated metabolism and coordinated flow of information. This course is designed for students majoring in pre-medicine, pre-nursing, allied health fields, and physical education. C-ID BIOL-120B.

BIO 230: Introduction to Microbiology

Units: 5

Prerequisites: BIO 220, CHEM 115, CHEM 115H, CHEM 112, CHEM 140, CHEM 150, or CHEM 150H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces the fundamental concepts of microbiology and the use of the scientific method applied to the study of bacteria and other microorganisms. Topics include the history, morphology, genetics, and physiology of microbes. The laboratory emphasizes methods for isolating, culturing, identifying, enumerating and controlling bacteria.

BIO 290: Human Dissection Laboratory

Units: 1

Prerequisites: BIO 210 or BIO 210H.

Acceptable for Credit: CSU

Laboratory 3 hours.

Course Typically Offered: Summer

This supervised study of human dissection techniques includes a review of dissection procedures as well as practical experience with human cadavers. The course follows a regional approach to human anatomy and covers all major muscle groups, organs, nerves, and blood vessels of the body. It is intended for students who are interested in normal anatomy of the human body, pathology, and the pursuit of careers in the medical field.

BIO 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

BIO 296: Topics in Biology

Units: 1-4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Lecture 4 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Biology that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

BIO 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Occupational Cooperative Work Experience Education is intended for students employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

BIO 340: Molecular Mechanisms of Disease

Units: 3

Prerequisites: BIO 105, BIO 110, BIO 111, BIO 204, or BIO 204H, and CHEM 150 or CHEM 150H.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course focuses on the molecular basis of human disease. Topics include genetic, metabolic, signaling, developmental, and infectious diseases as well as the biological mechanisms of immunity, cancer, and aging. This course develops students' understanding of the biological basis of human disease that will allow them to evaluate technological advances in therapeutics and diagnostics. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

Biotechnology

The expanding field of biotechnology devotes itself to improving human health and well-being through the research, development, testing, manufacturing, and marketing of products related to the biomedical, food and beverage,

cosmetics, and agricultural industries. The Biotechnology program provides both the theoretical background and practical experience necessary to gain employment in the biotechnology industry. Career paths include research, development, quality control and assurance, manufacturing, analytical testing, and lab technician work.

Bachelor's Degree Program

The bachelor's degree program in biomanufacturing builds upon the associate degree program in biomanufacturing, allowing students who complete the associate degree or equivalent coursework from other colleges to enter as juniors and earn a baccalaureate. Information about the program, including eligibility requirements, the application process, and upper-division tuition, is available under Bachelor's Degree. For inquiries about the bachelor's program, please contact Dr. Dominique Ingato at dingato@miracosta.edu.

Academic and Career Pathway: Math and Sciences

Contact Information

Chair: Barbara Juncosa**Dean:** Michael Fino

<https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/biotechnology/index.html>

Department: Biotechnology**Office:** Building OC3600,

760.757.2121 x6874

Full-Time Faculty

Dominique Ingato

Barbara Juncosa

Wally Perez Medina

Bachelor's Degree

Bachelor of Science Degree

Biomanufacturing

The biomanufacturing bachelor's degree program develops the skills, abilities, and knowledge students need to work in the unique environment of biological production. It emphasizes the applied, quantitative analysis of biomanufacturing process design and performance to prepare students for employment in technical or quality positions in the manufacturing sector of the biotechnology industry, which includes biotherapeutics, diagnostics, supplies and services, and industrial products.

The biomanufacturing bachelor's degree program requires the completion of 120 semester units, including 45 units of upper-division coursework with a minimum of 12 units in residence at MiraCosta College.

The program builds upon the college's associate degree program in biomanufacturing, allowing students who complete the associate degree or equivalent coursework from other colleges to enter as juniors and earn a bachelor's degree. Students earning the college's associate degree in biomanufacturing must complete either the CSU-GE (Plan B (p. 76)) or the IGETC (Plan C (p. 82)) general education pattern to graduate with a bachelor's degree in biomanufacturing.

Lower-Division Major Preparation

Areas of Study & Courses

- ▶ Overall GPA of 2.0 for all coursework
- ▶ Completion of the following lower-division course requirements with no grade less than "C" or "P":
 - ▶ BTEC 108/BTEC 108H or General biology (BIO 105 or equivalent)
 - ▶ CHEM 150/CHEM 150H
 - ▶ CHEM 151/CHEM 151H
 - ▶ BTEC 107
 - ▶ BTEC 110/BTEC 110H
 - ▶ BTEC 120
 - ▶ BTEC 210
 - ▶ BTEC 211
 - ▶ BTEC 221
 - ▶ BTEC 222
 - ▶ ENGL 100/ENGL 100H
 - ▶ Statistics (BTEC 180/BTEC 180H or equivalent)

Application for Admission

Students complete the standard online application to the college as well as the Application for the Bachelor of Science in Biomanufacturing, which is available on the Biomanufacturing Bachelor's Degree Program webpage (see miracosta.edu/bachelors). Applications for the fall 2023 cohort become available on August 1st and are due in mid-November for priority consideration and are accepted on a rolling basis after this priority deadline until the cohort is full.

Certain lower-division courses must be completed or in progress in order to submit an application for admission to the program. Please see the Biomanufacturing Bachelor's Degree Program webpage for details.

Admission/Selection Criteria

Qualified applicants are selected for admission based on a comprehensive review process that gives additional weight to the following:

- ▶ Percentage of lower-division major preparation completed at the time of applying.
- ▶ Completion of an associate degree in biomanufacturing, research and development, or equivalent.
- ▶ Completion before entry date of BTEC 221 and BTEC 222 (or equivalent).
- ▶ Completion of additional 200-level biotechnology, biology, or chemistry courses or 100-level physics courses not listed in the program requirements.
- ▶ Completion (or partial completion) of CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82)).
- ▶ GPA in lower-division major preparation courses.
- ▶ Employment in the biotechnology/biomedical industry, including internships.
- ▶ Relevant life experiences or special circumstances, such as disabilities, low family income, first generation college student, DACA/AB 540, former foster youth, veteran status, and other criteria.

For more specific information about the comprehensive review process, please see miracosta.edu/bachelors.

Upper-Division Tuition

Upper-division coursework costs \$130 per unit, which is an additional \$84 per unit currently charged for lower-division coursework.

Program Student Learning Outcome Statements

Upon completion of this program, students will be able to

- ▶ design and execute a project that identifies possible options of new biomanufacturing technologies that serve as process improvements, including technical and financial benefits, and write a report evaluating those options with a final recommendation.
- ▶ perform an investigation that requires them to analyze an Out of Specification (OOS) occurrence during a production step in the manufacture of a biological substance, perform the analysis to justify the batch disposition, and incorporate this into a CAPA (Corrective Action Preventative Action) report.

Required lower-division courses:

BTEC 107	Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry	3
BTEC 108	Biomanufacturing: From Gene to Product	3
or BTEC 108H	Biomanufacturing: From Gene to Product (Honors)	
or BIO 105	Introductory Biology: Biotechnology in Society	
BTEC 110	Basic Techniques in Biotechnology	5
or BTEC 110H	Basic Techniques in Biotechnology (Honors)	
BTEC 120	Business and Regulatory Practices in Biotechnology	3
BTEC 180	Biostatistics *	4
or BTEC 180H	Biostatistics (Honors)	
BTEC 210	Data Analysis with Excel	1
BTEC 211	Technical Writing for Regulated Environments	1
BTEC 221	Bioprocessing: Cell Culture and Scale-up	1.5
BTEC 222	Bioprocessing: Large Scale Purification	1.5
CHEM 150	General Chemistry I: For Science Majors *	5
or CHEM 150H	General Chemistry I: For Science Majors (Honors)	
CHEM 151	General Chemistry II: For Science Majors *	5
or CHEM 151H	General Chemistry II: For Science Majors (Honors)	
ENGL 100	Composition and Reading *	4
or ENGL 100H	Composition and Reading (Honors)	

Required upper-division courses:

BTEC 300	Supply Chain and Enterprise Resource Planning in Biomanufacturing	3
BTEC 310	Biomanufacturing Process Sciences	5

BTEC 320	Design of Experiments for Biomanufacturing	4
BTEC 330	Advanced Topics in Quality Assurance and Regulatory Affairs	4
BTEC 340	Six Sigma and Lean Manufacturing	3
BTEC 360	Design of Biomanufacturing Facilities, Critical Utilities, Processes, and Equipment	3
BTEC 400	Bioprocess Monitoring and Control	4
BTEC 410	Methods in Quality, Improvements, Investigations, and Audits	4
BTEC 460	Capstone Seminar in Biomanufacturing Technologies	3
BTEC 470	Capstone Seminar in Biomanufacturing Quality	3
BIO 340	Molecular Mechanisms of Disease	3
BUS 302	Leadership and Personal Development	3
PHIL 302	Bioethics	3
Remaining required lower-division general education and elective coursework.		38
Total Units		120

* Course satisfies a general education requirement on the CSU-GE or IGETC general education pattern.

Associate Degrees

Associate in Science Degree Biomanufacturing

Students may earn the associate degree by completing the Certificate of Achievement in Biomanufacturing as well as a general education (GE) pattern of courses. To be eligible for admission to the bachelor's degree program, students must complete either the CSU-GE (Plan B (p. 76)) or the IGETC (Plan C (p. 82)) pattern. Students should meet with a MiraCosta counselor to develop a written educational plan for the specific degree they wish to earn.

Research and Development

Students may earn the associate degree by completing the Certificate of Achievement in Research and Development as well as the general education courses required for MiraCosta College's Associate in Science degree (see Associate Degrees (p. 67)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Certificates

Certificate of Achievement Biomanufacturing

This program expands on the skills and theoretical foundation presented in the bioprocess technology certificate to further prepare entry-level technicians for employment in the regulated environment of biomanufacturing. Technicians in this field must learn and implement laboratory procedures and use specialized laboratory equipment in the production of a cell-based product. Competency in organizational, computational, and communication skills is required. This program is designed to give students the theoretical background and practical

experience necessary to work effectively in biomanufacturing at the entry level as well as to prepare them for advancement to the baccalaureate degree in biomanufacturing at MiraCosta College. Graduates of this program can expect to be employed in various capacities, including quality control, quality assurance, production, process development, and analytical testing.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to successfully perform a technical laboratory task common to the biomanufacturing environment by employing the appropriate equipment and tools safely and effectively.

Required courses:

BTEC 107	Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry	3
BTEC 108	Biomanufacturing: From Gene to Product	3
or BTEC 108H	Biomanufacturing: From Gene to Product (Honors)	
or BIO 105	Introductory Biology: Biotechnology in Society	
BTEC 110	Basic Techniques in Biotechnology	5
or BTEC 110H	Basic Techniques in Biotechnology (Honors)	
BTEC 120	Business and Regulatory Practices in Biotechnology	3
BTEC 180	Biostatistics	4
or BTEC 180H	Biostatistics (Honors)	
BTEC 210	Data Analysis with Excel	1
BTEC 211	Technical Writing for Regulated Environments	1
BTEC 221	Bioprocessing: Cell Culture and Scale-up	1.5
BTEC 222	Bioprocessing: Large Scale Purification	1.5
CHEM 150	General Chemistry I: For Science Majors	5
or CHEM 150H	General Chemistry I: For Science Majors (Honors)	
CHEM 151	General Chemistry II: For Science Majors	5
or CHEM 151H	General Chemistry II: For Science Majors (Honors)	
ENGL 100	Composition and Reading	4
or ENGL 100H	Composition and Reading (Honors)	
Select two courses from the following:		2
BTEC 201	Advanced Cell Culture	
BTEC 203	Techniques in DNA Amplification	
BTEC 204	Recombinant DNA	
BTEC 206	Principles of Separation and HPLC	
BTEC 207	Techniques in Immunochemistry and ELISA	
BTEC 231	Gene Editing Techniques: CRISPR-Cas9	

BTEC 292	Internship Studies
BTEC 299	Occupational Cooperative Work Experience

Total Units **39**

Certificate of Achievement

Bioprocess Technology

This certificate provides a foundation in, and practical application of, the technologies employed by biotechnology companies engaged in the production of cell-derived products from small to large scales. Through a combination of applied lecture and hands-on laboratory instruction, students acquire the confidence, competence, and compliance for technical work in a regulated environment. Bioprocess technologies encompass the operation of specialized equipment and instrumentation used to produce biopharmaceuticals or reagents utilized by biotechnology, pharmaceutical, and academic research labs. Students learn to grow a variety of cells, express a biomolecule of interest, and recover the desired biomolecule through a series of purification steps. They learn to follow good manufacturing practices by maintaining records in order to comply with quality system requirements and government regulations. This certificate is designed for bioprocess-technician skill development as well as professional development for those already employed in the industry.

Program Student Learning Outcome Statement

- Upon completion of the program, students will be able to successfully perform a technical laboratory task by employing the appropriate equipment and tools, safely and effectively.

Required courses:

BTEC 110	Basic Techniques in Biotechnology	5
or BTEC 110H	Basic Techniques in Biotechnology (Honors)	
BTEC 120	Business and Regulatory Practices in Biotechnology	3
BTEC 211	Technical Writing for Regulated Environments	1
BTEC 221	Bioprocessing: Cell Culture and Scale-up	1.5
BTEC 222	Bioprocessing: Large Scale Purification	1.5

Select at least one course from the following:

BTEC 107	Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry	1-3
BTEC 108	Biomanufacturing: From Gene to Product	
BTEC 108H	Biomanufacturing: From Gene to Product (Honors)	
BTEC 210	Data Analysis with Excel	
BTEC 292	Internship Studies	
BTEC 299	Occupational Cooperative Work Experience	

Total Units **13-15**

Certificate of Achievement

Laboratory Skills

This certificate is designed to meet the increasing need for trained and competent associates in laboratory environments. The required courses provide students with fundamental laboratory skills to start or enhance a career in the biosciences. Students completing this certificate can expect employment utilizing their technical skills in the performance of tests and routine tasks inherent to a wide range of laboratory environments. This certificate is intended for the development of general laboratory skills as well as professional growth for those already employed in the industry.

Program Student Learning Outcome Statement

- Upon completion of the program, students will be able to successfully perform a technical laboratory task by employing the appropriate equipment and tools, safely and effectively.

Required courses:

BTEC 107	Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry	3
BTEC 108	Biomanufacturing: From Gene to Product	3-4
or BTEC 108H	Biomanufacturing: From Gene to Product (Honors)	
or BIO 105	Introductory Biology: Biotechnology in Society	
or BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology	
or BIO 204H	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology (Honors)	
BTEC 110	Basic Techniques in Biotechnology	5
or BTEC 110H	Basic Techniques in Biotechnology (Honors)	
BTEC 120	Business and Regulatory Practices in Biotechnology	3

Total Units **14-15**

Certificate of Achievement

Research and Development

This certificate is designed to meet the increasing need for entry-level laboratory technicians, especially in the field of research and development. Technicians in this field must be proficient in the application of scientific methodology to solve problems. They must learn and implement laboratory procedures and use specialized laboratory equipment. Competency in organizational, computational, and communication skills is required. This program is designed to give students the theoretical background and practical experience necessary to be a bench-level scientist in both academic and industrial settings. Completion of this program prepares students to gain entry-level employment, or with additional coursework students can transfer to four-year institutions in the biosciences. Graduates of this biotechnology program can expect to be employed in various capacities, including quality control, applied research, product

development, analytical testing, and academic (basic) research.

Program Student Learning Outcome Statement

- Upon completion of the program, students will report that they were sufficiently developed to meet employer expectations for entry-level performance in a technical laboratory.

Required courses:

BTEC 107	Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry	3
BIO 105	Introductory Biology: Biotechnology in Society	3-4
or BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology	
or BIO 204H	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology (Honors)	
BTEC 110	Basic Techniques in Biotechnology	5
or BTEC 110H	Basic Techniques in Biotechnology (Honors)	
BTEC 120	Business and Regulatory Practices in Biotechnology	3
BTEC 180	Biostatistics	4-5
or BTEC 180H	Biostatistics (Honors)	
or MATH 150	Calculus and Analytic Geometry I	
or MATH 150H	Calculus and Analytic Geometry I (Honors)	
BTEC 210	Data Analysis with Excel	1
CHEM 150	General Chemistry I: For Science Majors	5
or CHEM 150H	General Chemistry I: For Science Majors (Honors)	
CHEM 151	General Chemistry II: For Science Majors	5
or CHEM 151H	General Chemistry II: For Science Majors (Honors)	
ENGL 100	Composition and Reading	4
or ENGL 100H	Composition and Reading (Honors)	
Select at least 2 electives from below:		2
BTEC 201	Advanced Cell Culture	
BTEC 203	Techniques in DNA Amplification	
BTEC 204	Recombinant DNA	
BTEC 206	Principles of Separation and HPLC	
BTEC 207	Techniques in Immunochemistry and ELISA	
BTEC 231	Gene Editing Techniques: CRISPR-Cas9	
BTEC 292	Internship Studies	
BTEC 299	Occupational Cooperative Work Experience	
Total Units		35-37

Courses

BTEC 107: Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the emerging role of biotechnology in modern society. It examines the origins and impact of the biotechnology industry from physiological and socio-cultural aspects, including how biotechnology advances have transformed individual lives and communities. Topics include new technologies in development and the role of biotechnology in addressing societal challenges, such as the COVID-19 pandemic and climate change. Students are oriented to biotechnology careers, employment trends, and the required high-tech, high-touch workforce skills necessary for success in a globally and locally robust professional environment.

BTEC 108: Biomanufacturing: From Gene to Product

Units: 3

Prerequisites: None

Advisory: ENGL 100 or ENGL 100H.

Enrollment Limitation: Not open to students with prior credit in BTEC 108H.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course serves as an introduction to the interdisciplinary field of biomanufacturing with content appropriate for a wide range of students, including non-science majors. Topics include a general examination of biological and chemical principles as they relate to the development, production, recovery, and analysis of products made by living organisms. Lecture content emphasizes the use of living systems to produce therapeutics, foods, cosmetics, and fuels. The course addresses how biomanufacturing may impact current societal challenges with a discussion of the scientific, business, and legal/ethical issues. UC CREDIT LIMITATION: Credit for BTEC 108 or BTEC 108H.

BTEC 108H: Biomanufacturing: From Gene to Product (Honors)

Units: 3

Prerequisites: None

Advisory: ENGL 100 or ENGL 100H.

Enrollment Limitation: Not open to students with prior credit in BTEC 108.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course serves as an introduction to the interdisciplinary field of biomanufacturing with content appropriate for a wide range of students, including non-science majors. Topics include a general examination of biological and chemical principles as they relate to the development, production, recovery, and analysis of products made by living organisms. Lecture content emphasizes the use of living systems to produce therapeutics, foods, cosmetics, and fuels. The course addresses how biomanufacturing may impact current societal challenges with a discussion of the scientific, business, and legal/ethical issues. This honors course offers highly motivated students the opportunity to complete, document, and discuss independent scientific research. UC CREDIT LIMITATION: Credit for BTEC 108 or BTEC 108H.

BTEC 110: Basic Techniques in Biotechnology

Units: 5

Prerequisites: BIO 105, BIO 204, BIO 204H, BTEC 108, or BTEC 108H.

Advisory: MATH 64, MATH 64S and ENGL 100, or ENGL 100H

Enrollment Limitation: Concurrent enrollment in BIO 105, BIO 204, BIO 204H, BTEC 108, or BTEC 108H if prerequisite not met and not open to students with prior credit in BTEC 110H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring

This course focuses on the basic laboratory skills needed for employment in the biotechnology/biomanufacturing industry. Students learn laboratory safety and documentation while acquiring skills in the maintenance and calibration of basic lab equipment, calculation and preparation of lab solutions and media, and routine handling of cell cultures. Students also develop fundamental skills in spectroscopy, centrifugation, performance of assays, gel electrophoresis, and the purification and handling of biological molecules, such as proteins. (Materials Fee: \$30.00). UC CREDIT LIMITATION: Credit for BTEC 110 or BTEC 110H.

BTEC 110H: Basic Techniques in Biotechnology (Honors)

Units: 5

Prerequisites: BIO 105, BIO 204, BIO 204H, BTEC 108, or BTEC 108H.

Advisory: MATH 64, MATH 64S and ENGL 100, or ENGL 100H

Enrollment Limitation: Concurrent enrollment in BIO 105, BIO 204, BIO 204H, BTEC 108, or BTEC 108H if prerequisite not met and not open to students with prior credit in BTEC 110.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring

This course focuses on the basic laboratory skills needed for employment in the biotechnology/biomanufacturing industry. Students learn laboratory safety and documentation while acquiring skills in the maintenance and calibration of basic lab equipment, calculation and preparation of lab solutions and media, and routine handling of cell cultures. Students also develop fundamental skills in spectroscopy, centrifugation, performance of assays, gel electrophoresis, and the purification and handling of biological molecules, such as proteins. This honors course offers highly motivated students the opportunity to complete, document, and discuss independent scientific research. (Materials Fee: \$30.00). UC CREDIT LIMITATION: Credit for BTEC 110 or BTEC 110H.

BTEC 120: Business and Regulatory Practices in Biotechnology

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course examines basic business principles and practices utilized in the discovery, development, and production phases of new product development. It explores the role of governmental oversight and regulation in assuring the safety, efficacy, and quality of a biotechnology product.

BTEC 180: Biostatistics

Units: 4

Prerequisites: MATH 28, MATH 30 or eligibility determined by the math placement process.

Advisory: BIO 110, BIO 111, BIO 105, BIO 202, BIO 204, BIO 204H, BTEC 108, or BTEC 108H.

Enrollment Limitation: Not open to students with prior credit in BTEC 180H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This introductory statistics course covers the principles and practice of statistical design and analysis for scientific experimentation. Topics include hypothesis formation, experimental design and execution, data analysis, and communication with application to scientific fields, such as the biological and health sciences. The course includes laboratory application with extensive use of computer software for statistical analysis and simulation. UC CREDIT LIMITATION: Credit for BTEC 180/BTEC 180H, BUS 204/BUS 204H, MATH 103/MATH 103S, PSYC 104/PSYC 104H, or SOC 125. Some CSU campuses may also impose this credit limitation.

BTEC 180H: Biostatistics (Honors)

Units: 4

Prerequisites: MATH 28, MATH 30 or eligibility determined by the math placement process.

Advisory: BIO 110, BIO 111, BIO 105, BIO 202, BIO 204, BIO 204H, BTEC 108, or BTEC 108H.

Enrollment Limitation: Not open to students with prior credit in BTEC 180.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This introductory statistics course covers the principles and practice of statistical design and analysis for scientific experimentation. As an honors course, it offers an enriched experience for highly motivated students through more in-depth coverage of course topics and the opportunity to analyze data for an independent project. Topics include hypothesis formation, experimental design and execution, data analysis, and communication with application to scientific fields, such as the biological and health sciences. The course includes laboratory application with extensive use of computer software for statistical analysis and simulation. UC CREDIT LIMITATION: Credit for BTEC 180/BTEC 180H, BUS 204/BUS 204H, MATH 103/MATH 103S, PSYC 104/PSYC 104H, or SOC 125. Some CSU campuses may also impose this credit limitation.

BTEC 201: Advanced Cell Culture

Units: 1

Prerequisites: BTEC 110 or BTEC 110H.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Spring

This advanced course teaches skills in the proper handling of cells from higher organisms, such as plants, mammals, and insects, that are routinely maintained in culture in the biotechnology laboratory. Instruction focuses on growth and manipulation techniques and long-term maintenance of various laboratory cell cultures that may include anchorage-dependent and suspension cell lines as well as stem cell cultures.

BTEC 203: Techniques in DNA Amplification

Units: 1

Prerequisites: BTEC 110 or BTEC 110H.

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 0.75 hour.

Course Typically Offered: Fall or Spring every 3rd sem

This advanced course provides skills in the performance of the polymerase chain reaction (PCR), a technique commonly used to amplify DNA in forensics and the biotechnology laboratory. Instruction focuses on understanding the process; potential applications of DNA amplification; and the skills related to the setup, performance, and evaluation of the technique's outcome. The course assumes some prior knowledge of solution preparation and gel electrophoresis.

BTEC 204: Recombinant DNA

Units: 1

Prerequisites: BTEC 110 or BTEC 110H.

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 0.75 hour.

Course Typically Offered: Fall or Spring every 3rd sem

This advanced course provides skills in recombinant DNA technology used to analyze and manipulate DNA in the biotechnology laboratory. Students learn about the process of cloning and analyzing DNA and acquire the skills necessary to cut, piece together, and introduce new DNA molecules into prepared host bacterial cells.

BTEC 206: Principles of Separation and HPLC

Units: 1

Prerequisites: BTEC 110 or BTEC 110H.

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 0.75 hour.

Course Typically Offered: Fall or Spring every 3rd sem

This advanced course provides skills in the separation of biomolecules from complex mixtures using high performance liquid chromatography (HPLC). Instruction focuses on understanding the principles of separation, acquiring skills in the separation of various biomolecules, and analyzing the outcome for the purpose of determining system performance and biomolecular purification. The course assumes some prior knowledge of solution preparation, assays, and spectroscopy.

BTEC 207: Techniques in Immunochemistry and ELISA

Units: 1

Prerequisites: BTEC 110 or BTEC 110H.

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 0.75 hour.

Course Typically Offered: Fall or Spring every 3rd sem

This advanced course provides skills in the use of antibody reagents as a tool in the biotechnology laboratory. It focuses on the nature and specificity of antibody reagents for the identification and quantification of biological molecules. Students learn how to set up, perform, and analyze techniques utilizing antibodies, such as Westerns and ELISAs.

BTEC 210: Data Analysis with Excel

Units: 1

Prerequisites: None

Advisory: CSIT 101.

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 0.75 hour.

Course Typically Offered: Fall, Spring

This course teaches students how modern spreadsheet programs can be used to collect and organize data for subsequent tabulation, summarization, and graphical display. It utilizes various forms of scientific data to teach the techniques and skill that facilitate the capture, analysis, and management of data. Topics include importing and organizing data, filtering and sorting, graphing, and statistical analysis functions.

BTEC 211: Technical Writing for Regulated Environments

Units: 1

Prerequisites: None

Advisory: BTEC 110 and ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Fall, Spring

This course provides the requisite tools to understand why technical writing exists and how that writing works in conjunction with the many types of documents found in regulated environments. It also develops the techniques needed to deliver clear and complete passages with precise language. Students apply best practices for technical writing to a variety of documents, including reports, standard operating procedures (SOP), and investigations.

BTEC 221: Bioprocessing: Cell Culture and Scale-up

Units: 1.5

Prerequisites: BTEC 110 or BTEC 110H.

Advisory: BTEC 120

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 2.25 hours.

Course Typically Offered: Fall, Spring

This laboratory course develops the skills and knowledge related to the culture of cells in increasingly larger scales for the production of biological molecules. Students grow and monitor a variety of cells (bacterial, yeast, and/or mammalian) on a laboratory scale that emulates the large-scale production used in industry. They become familiar with the cleaning, sterilization, aseptic inoculation, operation, and monitoring of fermenters and bioreactors. The course emphasizes the use of current Good Manufacturing Practices (cGMPs) and process control strategies, and students gain experience following Standard Operating Procedures (SOPs).

BTEC 222: Bioprocessing: Large Scale Purification

Units: 1.5

Prerequisites: BTEC 110 or BTEC 110H.

Advisory: BTEC 120

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 2.25 hours.

Course Typically Offered: Fall, Spring

This laboratory course develops the skills and knowledge related to purification of biological molecules produced on a large scale. Students utilize the most common types of separation equipment, including tangential flow filtration, centrifugation, and column chromatography. They become familiar with the cleaning, sanitization, calibration, operation, and monitoring of large-scale purification equipment. The course emphasizes the use of current Good Manufacturing Practices (cGMPs) and process control strategies, and students gain experience following Standard Operating Procedures (SOPs).

BTEC 231: Gene Editing Techniques: CRISPR-Cas9

Units: 1

Prerequisites: BTEC 110 or BTEC 110H.

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 0.75 hour.

Course Typically Offered: Fall or Spring

This advanced course provides skills in the performance of the revolutionary genome editing technique CRISPR-Cas9. Instruction focuses on a deep understanding of this powerful and popular gene-editing technique to better appreciate the promise, risks, and ethics behind its many applications. Laboratory activities develop skills related to the setup, performance, and evaluation of the technique's outcome. The course assumes some prior knowledge of solution preparation and aseptic streak-plating of bacterial cultures.

BTEC 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

BTEC 296: Topics in Biotechnology

Units: 1-4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Lecture 4 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Biotechnology that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

BTEC 299: Occupational Cooperative Work Experience

Units: 1-6

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

BTEC 300: Supply Chain and Enterprise Resource Planning in Biomanufacturing

Units: 3

Prerequisites: BTEC 120.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours.

Course Typically Offered: Fall

Students gain knowledge of how companies manage the complete flow of materials in a supply chain from suppliers to customers. This course covers the design, planning, execution, monitoring, and control of raw materials, personnel resources, inventory management, and distribution. At the end students will have the knowledge required to take the CPIM (Certified in Production and Inventory Management) certification test administered by APICS (the American Production and Inventory Control Society). This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 310: Biomanufacturing Process Sciences

Units: 5

Prerequisites: BTEC 221 and BTEC 222.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours, laboratory 6 hours.

Course Typically Offered: Spring

This lecture/laboratory course examines the biological, physical, and chemical scientific principles that support the design, development, and optimization of key parameters in a biomanufacturing process. Process sciences covers the essential theories that underpin the biomanufacturing operations from product formation through product purification and how those operations scale up and scale down. The topics include fermenter and bioreactor design and the design of downstream processes that maximize the yield, safety, and efficacy of a protein pharmaceutical. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 320: Design of Experiments for Biomanufacturing

Units: 4

Prerequisites: BTEC 110 or BTEC 110H and BTEC 180 or BTEC 180H.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course teaches formalized design of experiments (DOE), a system that optimizes a process through the methodical varying of key parameters and a formalized approach to analyzing, interpreting, and applying the results. DOE is designed to make any process more robust and minimize variability from external sources. The course builds upon the statistical concepts required for DOE, including hypothesis testing, confidence intervals, statistical models, and analysis of variance (ANOVA). The DOE approach systematically varies the parameters of a biomanufacturing process to improve its operation. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 330: Advanced Topics in Quality Assurance and Regulatory Affairs

Units: 4

Prerequisites: BTEC 120.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 4 hours.

Course Typically Offered: Spring

This course builds upon previous knowledge of quality assurance and regulatory affairs to study the harmonized quality system approaches of the International Council for Harmonisation Q8 through Q11. The course pays special attention to the topics of quality risk management, qualification, and validation. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 340: Six Sigma and Lean Manufacturing

Units: 3

Prerequisites: BTEC 120 and BTEC 180 or BTEC 180H.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours.

Course Typically Offered: Spring

This course covers the Six Sigma approach to the maintenance and improvement of biomanufacturing processes. It incorporates the DMAIC phases: define, measure, analyze, improve, and control. The course covers the use and implementation of lean manufacturing tools that biomanufacturing companies use to reduce waste. At the end of the course, students will be prepared to take the certification test for qualification with a yellow belt in Six Sigma. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 360: Design of Biomanufacturing Facilities, Critical Utilities, Processes, and Equipment

Units: 3

Prerequisites: BTEC 120, BTEC 221, and BTEC 222.

Enrollment Limitation: Concurrent enrollment in BTEC 221 and BTEC 222 if prerequisites not met.

Lecture 3 hours.

Course Typically Offered: Fall

Students evaluate how the design of a biomanufacturing facility maintains appropriate levels of cleanliness and sterility and promotes the production of safe and effective products. Students analyze the design of the processes, equipment, and instrumentation used in biological production to generate critical utilities, aseptic systems, environmental control and monitoring, upstream production, and downstream (recovery and purification) production within a regulated environment. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 400: Bioprocess Monitoring and Control

Units: 4

Prerequisites: BTEC 310.

Enrollment Limitation: Open only to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course covers the measurement, monitoring, modeling, and control of biomanufacturing processes and the statistical methodology used for measuring, analyzing, and controlling quality during the manufacturing process, including control charts and the analysis of process capabilities. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 410: Methods in Quality, Improvements, Investigations, and Audits

Units: 4

Prerequisites: BTEC 330 and BTEC 340.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 4 hours.

Course Typically Offered: Fall

This course examines investigational methods used by quality assurance departments to analyze process deviations and make decisions about severity of deviation. Students learn to write industry-standard corrective and preventive action (CAPA) reports to conclude what corrective and preventive actions result from the investigation. The course also covers how a company would perform an audit in anticipation of an inspection by the Food and Drug Administration or for the supplier of a key raw material. Course content is aligned with the American Society for Quality's Body of Knowledge for a Certified Quality Technician examination. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 460: Capstone Seminar in Biomanufacturing Technologies

Units: 3

Prerequisites: BTEC 310.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours.

Course Typically Offered: Spring

This course examines the breadth of products that are produced through biological processes. The course will focus on the advances and emerging technologies in biological production and purification operations. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 470: Capstone Seminar in Biomanufacturing Quality

Units: 3

Prerequisites: BTEC 330.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours.

Course Typically Offered: Spring

This course examines the process by which the quality systems of biomanufacturing evolve by examining a selected current trend in the laws and regulations governing biopharmaceutical manufacturing. Students evaluate the effectiveness of the laws and regulations governing biopharmaceutical manufacturing. This course serves as a capstone experience for students in biomanufacturing quality. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

Black Studies

Black Studies is the interdisciplinary study of the social, political, economic, and historical experiences of Africans in America and around the world. Black Studies focus on systematic racism, white supremacy, and anti-blackness with the ultimate goal of overcoming systems of oppression throughout the world. Black Studies also investigates how race/ethnicity intersects with class, gender, and sexuality. Students take courses to prepare for a Black Studies major or to fulfill general education requirements. Career options include teaching at the high school and college level, social work, non-profit work, human services, counseling, law enforcement, legal professions, and business.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Sean Davis

Dean: Michael Fino

<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/sociology/index.html>

Department: Sociology

Office: Building OC3100,

760.795.6871

Courses

BLST 240: Introduction to Black Studies

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in SOC 240.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course introduces students to the social and academic origins of Africans in America and around the world. By employing a sociological approach, students gain a broader and deeper understanding of the Black experience. This course is intended for students who want to acquire fundamental knowledge related to areas of study within the Black Studies discipline, various cultures of Africa, and the African Diaspora.

Business Administration

The Business Department offers theoretical and practical courses for students planning to transfer as business majors, career and technical courses that lead to certificates of proficiency and achievement, and courses designed to improve workplace skills. Career opportunities in business include accounting, marketing, finance, small business development, and management in retail, service, manufacturing, government, and nonprofit organizations.

Academic and Career Pathway: Business and Technology

Contact Information

Chair: Annie Ngo

Dean: Al Taccone

<https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/business-administration/index.html>

Department: Business

Office: Building OC4800,
760.795.6811

Full-Time Faculty

Annie Ngo

Suganya Sankaranarayanan

Nate Scharff

Christina Sharp

Associate Degrees

Associate in Science Degree

Business Administration for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a business administration degree, an emphasis or option within a business administration degree, or a degree considered similar to business administration at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be

appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a business administration major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to develop communication, critical thinking, financial analysis, and problem solving skills that will effectively prepare them for advanced study in business at the university level.

Required Core: 17 units

ACCT 201	Financial Accounting	4
or ACCT 201H	Financial Accounting (Honors)	
ACCT 202	Managerial Accounting	4
or ACCT 202H	Managerial Accounting (Honors)	
ECON 101	Principles of Economics: MACRO *	3
ECON 102	Principles of Economics: MICRO *	3
BUS 140	Legal Environment of Business	3
or BUS 140H	Legal Environment of Business (Honors)	
List A: 3-4 units. Select one course.		3-4
BUS 204	Business Statistics *	
MATH 115	Calculus with Applications *	
List B: Select two courses (6-7 units)		6-7
Any course from List A not already used.		
BUS 290	Business Communication	
or BUS 290H	Business Communication (Honors)	
or BUS 120	Introduction to Business	
CSIT 110	Computer Applications	
or CSIT 120	Fundamentals of Computer Information Systems	
Total Units		26-28

* Course satisfies a general education requirement on the CSU-GE or IGETC general education pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement.

NOTES:

1. To ensure this degree is completed with no more than 60 units, students should select courses that also satisfy a general education requirement on the CSU-GE or IGETC general education pattern. Students are strongly advised to select courses that meet lower-division major preparation requirements at their intended transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.
2. Cal State University San Marcos (CSUSM) transfer: Students may use this degree pathway for the Global Supply Chain Management emphasis only. Students interested in any other emphasis (Accounting, Business Analytics, Finance, General, Global Business, Management, Management Information Systems and Marketing) must complete the Business Administration 2.0 for Transfer pathway.
3. San Diego State University (SDSU) transfer: Students may use this degree pathway for the General Business and Financial Services emphasis only. BUS 290/290H and CSIT 120 will be required to be completed at SDSU if not selected as choices above. Note: MiraCosta College is not in the SDSU local service area. Please see a counselor for further details.

Associate Degrees

Associate in Science Degree

Business Administration 2.0 for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a business administration degree, an emphasis or option within a business administration degree, or a degree considered similar to business administration at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a business administration major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B) or IGETC (Plan C)* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

- ▶ Upon successful completion of this program, students will be able to develop communication, critical thinking, financial analysis, and problem-solving skills that will effectively prepare them for advanced study in business at the university level.

Required courses:		
ACCT 201	Financial Accounting	4
or ACCT 201H	Financial Accounting (Honors)	
ACCT 202	Managerial Accounting	4
or ACCT 202H	Managerial Accounting (Honors)	
BUS 140	Legal Environment of Business	3
or BUS 140H	Legal Environment of Business (Honors)	
ECON 101	Principles of Economics: MACRO *	3
ECON 102	Principles of Economics: MICRO *	3
MATH 115	Calculus with Applications *	5
or MATH 150	Calculus and Analytic Geometry I	
or MATH 150H	Calculus and Analytic Geometry I (Honors)	
BUS 204	Business Statistics *	3-5
or BUS 204H	Business Statistics (Honors)	
or BTEC 180	Biostatistics	
or BTEC 180H	Biostatistics (Honors)	
or MATH 103	Statistics	
or MATH 103S	Statistics with Integrated Support	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOC 125	Introduction to Statistics in Sociology	
BUS 120	Introduction to Business	3
or BUS 120H	Introduction to Business (Honors)	
or BUS 290	Business Communication	
or BUS 290H	Business Communication (Honors)	
Total Units		28-30

* Course satisfies a general education requirement on the CSU-GE or IGETC general education pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement. Note: All of the statistics courses listed are also GE courses.

NOTES:

1. To ensure this degree is completed with no more than 60 units, students should select courses that also satisfy a general education requirement on the CSU-GE or IGETC general education pattern. Students are strongly advised to select courses that meet lower-division major preparation requirements at their intended transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.
2. Cal State University San Marcos (CSUSM) transfer: Students are required to use this degree pathway for the following

emphases: Accounting, Business Analytics, Finance, General, Global Business, Management, Management Information Systems and Marketing. Students interested in Business Administration with an emphasis in Global Supply Chain Management may complete the Business Administration for Transfer or the Business Administration 2.0 for Transfer degree.

- San Diego State University (SDSU) transfer: Students may use this degree pathway for the General Business and Financial Services emphasis only. These students should select BUS 290/or 290H as a choice above. If CSIT 120, Fundamentals of Computer Information Systems, is not completed, the SDSU comparable course, MIS 180, will be required after transfer. Note: MiraCosta College is not in the SDSU local service area. Please see a counselor for further details.

Associate in Arts Degrees

Entrepreneurship

Management

Marketing

Retail Management

Supply Chain Management (SCM)

Students may earn one of the above-named associate degrees by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 67)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Certificates

Certificate of Achievement

Entrepreneurship

Students who start and run their own businesses enjoy the freedom of being their own boss with unlimited earning potential. This certificate program is for both current and prospective entrepreneurs. It assists students in learning and applying the traits and skills necessary to start, operate, and maintain a successful business. Students choose from a variety of electives, emphasizing either selected business skills or industry-specific expertise. Students may take courses in any sequence.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to develop a business plan, marketing plan, and financial statements for a proposed business.

Required courses:

ACCT 101	Practical Accounting	4
or ACCT 201	Financial Accounting	
or ACCT 201H	Financial Accounting (Honors)	
BUS 130	Entrepreneurship and Small Business Management	3
BUS 132	Marketing	3
BUS 136	Human Relations in Business	3
Select at least 9 elective units from the following:		9
BUS 120	Introduction to Business	
or BUS 120H	Introduction to Business (Honors)	

BUS 134	Retail Management
BUS 135	Personal Selling
BUS 138	Business Promotion
BUS 144	Budgeting Basics
BUS 147	Personal Finance
BUS 152	Business Idea Generation and Feasibility Analysis
BUS 153	Business Startup Fundamentals
BUS 154	Funding the Entrepreneurial Venture
BUS 155	Business Plan Development
BUS 160	International Business
BUS 289	Career Mentoring
BUS 292	Internship Studies
CSIT 146	E-Commerce and Web Presence
CSIT 155	Social Media for Business
HOSP 100	Introduction to Hospitality Management
HOSP 130	Conference and Special Event Management
MAT 125	Web Design 1: Fundamentals
MTEC 160	Business of Music and Media I

Total Units

22

Certificate of Achievement

Management

The Management certificate benefits students who are trying to keep pace with an increasingly turbulent working environment. It is particularly appropriate for manufacturing firms facing strong international competition and for all service industries. Completion of the certificate gives students a solid introduction to various management philosophies and skills and is a valuable addition to their resume. Students choose from a variety of electives, emphasizing either selected skills or industry-specific expertise. Students may take courses in any sequence.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to develop communication, critical thinking, and problem solving skills that will effectively prepare her/him for a career in management.

Required courses:

BUS 117	Human Resources Management	3
BUS 131	Management Principles	3
BUS 136	Human Relations in Business	3
BUS 290	Business Communication	3
or BUS 290H	Business Communication (Honors)	
Select at least 9 units from the following:		9
ACCT 202	Managerial Accounting	
or ACCT 202H	Managerial Accounting (Honors)	
BUS 120	Introduction to Business	
or BUS 120H	Introduction to Business (Honors)	
BUS 130	Entrepreneurship and Small Business Management	
BUS 133	Project Management	
BUS 134	Retail Management	

BUS 140	Legal Environment of Business
or BUS 140H	Legal Environment of Business (Honors)
BUS 204	Business Statistics
or BUS 204H	Business Statistics (Honors)
BUS 289	Career Mentoring
BUS 292	Internship Studies
COMM 101	Public Speaking
COMM 106	Group Communication
HOSP 100	Introduction to Hospitality Management
Total Units	21

Certificate of Achievement

Marketing

Marketing is the process of planning and executing the conception, pricing, promotion, and distribution of ideas, goods, and services to create exchanges that satisfy individual and organizational objectives. It is critical to all business success. This program is for the student currently in or hoping to enter the marketing field. Students learn how products and services are developed, priced, promoted, and distributed; they also learn and practice marketing skills needed in the job market. Students may take courses in any sequence. Students are encouraged to choose a variety of electives that best increase their skill set.

Program Student Learning Outcome Statement

- Upon completion of this program the student will be able to develop communication, critical thinking, and problem solving skills that will prepare him/her for a career in marketing.

Required courses:		
BUS 132	Marketing	3
BUS 135	Personal Selling	3
BUS 138	Business Promotion	3
BUS 290	Business Communication	3
or BUS 290H	Business Communication (Honors)	
Select at least 9 elective units from the following:		
BUS 120	Introduction to Business	
or BUS 120H	Introduction to Business (Honors)	
BUS 134	Retail Management	
BUS 136	Human Relations in Business	
BUS 160	International Business	
BUS 204	Business Statistics	
or BUS 204H	Business Statistics (Honors)	
BUS 289	Career Mentoring	
BUS 292	Internship Studies	
CSIT 146	E-Commerce and Web Presence	
CSIT 155	Social Media for Business	
MAT 110	Digital Imaging 1: Adobe Photoshop	
MAT 125	Web Design 1: Fundamentals	
Total Units		21

Certificate of Achievement

Retail Management

Retail management is an expanding career path supported by many industry sectors. Strong retail managers are essential to business success in electronics, clothing, food, entertainment, home furnishings, cosmetics, gifts, athletic equipment, pet supplies, and just about every other imaginable consumer product and service. This certificate, designed in collaboration with industry leaders, provides the student with many of the competencies required for success at the management level within the vast retail industry. The program encompasses business essentials, such as accounting and marketing, and emphasizes the "soft skills" of management and communication required for career success. This certificate has been endorsed by the Western Association of Food Chains and its member companies.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to develop communication, marketing, and management skills that effectively prepare him/her for a career in retail.

Required courses:		
BUS 117	Human Resources Management	3
BUS 131	Management Principles	3
BUS 132	Marketing	3
BUS 134	Retail Management	3
BUS 136	Human Relations in Business	3
BUS 290	Business Communication	3
or BUS 290H	Business Communication (Honors)	
ACCT 101	Practical Accounting	4
or ACCT 201	Financial Accounting	
or ACCT 201H	Financial Accounting (Honors)	
CSIT 110	Computer Applications	3
Total Units		25

Certificate of Achievement

Social Media for Business

This program combines business skills in marketing, advertising, and communication with technical skills in social media and e-commerce. Students gain a working knowledge of techniques to increase and optimize business-oriented web traffic in various social media venues, including Facebook, LinkedIn, Twitter, and other emerging social media and e-commerce platforms. Students achieve focus through elective selections. Students should consider electives based on their need for building more skills with service and communication (BUS 136 and BUS 290), technical skills and software (CSIT 120 and CSIT 137), or web and graphic design (MAT 110 and MAT 125). Students can also gain real-world practical experience through internships (BUS/CSIT/MAT 292) and work experience (BUS/CSIT/MAT 299).

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to develop a social media marketing plan using multiple platforms to reach his/her audience.

Required courses:		
BUS 132	Marketing	3

BUS 138	Business Promotion	3
CSIT 146	E-Commerce and Web Presence	3
CSIT 155	Social Media for Business	3
Select a minimum of six units from the courses below:		6
BUS 120	Introduction to Business	
or BUS 120H	Introduction to Business (Honors)	
BUS 136	Human Relations in Business	
BUS 290	Business Communication	
or BUS 290H	Business Communication (Honors)	
BUS 292	Internship Studies *	
BUS 299	Occupational Cooperative Work Experience *	
CSIT 120	Fundamentals of Computer Information Systems	
CSIT 137	Google Apps for Business	
CSIT 292	Internship Studies *	
CSIT 299	Occupational Cooperative Work Experience *	
MAT 110	Digital Imaging 1: Adobe Photoshop	
MAT 125	Web Design 1: Fundamentals	
MAT 292	Internship Studies *	
MAT 299	Occupational Cooperative Work Experience *	
Total Units		18

*Students can take 1-3 units of the 292 and 299 courses.

Certificate of Achievement

Supply Chain Management

Supply chain management (SCM) is the handling of the entire production flow of a good or service, starting from the raw components to delivering the final product to the consumer. It is particularly critical in today's increasingly globalized environment across many industries. Career options in SCM include positions in several functional areas: manufacturing, operations, purchasing, warehousing, transportation, and logistics. This program is for the student currently in or hoping to enter a career in supply chain management. A strong demand in the region for supply chain professionals provides numerous job opportunities in this field. This program also prepares students to obtain professional certifications specific to the field of SCM. Students may take courses in any sequence and are encouraged to choose a variety of electives that best increase their skill set for employment based on their area of focus.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to demonstrate supply chain management skills and strategies to support global supply chain and operations management activities and decision-making.

Required courses:

BUS 128	Introduction to Supply Chain Management	3
BUS 140	Legal Environment of Business	3
or BUS 140H	Legal Environment of Business (Honors)	
BUS 204	Business Statistics	3
or BUS 204H	Business Statistics (Honors)	

BUS 290	Business Communication	3
or BUS 290H	Business Communication (Honors)	
Select at least nine units from the following:		9
ACCT 201	Financial Accounting	
or ACCT 201H	Financial Accounting (Honors)	
ACCT 202	Managerial Accounting	
or ACCT 202H	Managerial Accounting (Honors)	
BUS 131	Management Principles	
BUS 133	Project Management	
BUS 141	Transportation and Logistics	
BUS 143	Warehousing Operations	
BUS 160	International Business	
BUS 205	Manufacturing and Service Operations	
BUS 289	Career Mentoring	
BUS 292	Internship Studies	
COMM 215	Intercultural Communication	
CSIT 110	Computer Applications	
or CSIT 120	Fundamentals of Computer Information Systems	

Total Units **21**

Certificate of Proficiency

Business Administration

The Business Administration certificate allows business students to demonstrate they have acquired research, analysis, and communication skills fundamental to business. Highly motivated students who have demonstrated they have completed at least three honors courses or contracts will earn the "honors" designation on the certificate.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will have learned and applied discipline-specific research, analysis, and communications skills in business and accounting.

Required courses:

Choose a minimum of four courses. Students who complete three courses with (H) designation will earn an honors endorsement on the certificate.

BUS 120	Introduction to Business	
or BUS 120H	Introduction to Business (Honors)	
BUS 140	Legal Environment of Business	
or BUS 140H	Legal Environment of Business (Honors)	
BUS 204	Business Statistics	
or BUS 204H	Business Statistics (Honors)	
BUS 290	Business Communication	
or BUS 290H	Business Communication (Honors)	
ACCT 201	Financial Accounting	
or ACCT 201H	Financial Accounting (Honors)	
ACCT 202	Managerial Accounting	
or ACCT 202H	Managerial Accounting (Honors)	

Total Units **12-14**

Certificate of Proficiency

Business Fundamentals

This certificate introduces and provides an overview of the issues and skills involved in business education and/or careers in business. An introductory business course covering marketing, management, and finance is combined with additional skills-based business courses. Together, these courses provide a foundation for work and/or study related to business.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to explain and differentiate the various business disciplines/functions using appropriate terminology and context.

Required courses:		
BUS 120	Introduction to Business	3
or BUS 120H	Introduction to Business (Honors)	
Choose two courses:		6-8
ACCT 101	Practical Accounting	
ACCT 201	Financial Accounting	
or ACCT 201H	Financial Accounting (Honors)	
ACCT 202	Managerial Accounting	
or ACCT 202H	Managerial Accounting (Honors)	
BUS 117	Human Resources Management	
BUS 131	Management Principles	
BUS 132	Marketing	
BUS 133	Project Management	
BUS 134	Retail Management	
BUS 135	Personal Selling	
BUS 136	Human Relations in Business	
BUS 138	Business Promotion	
BUS 140	Legal Environment of Business	
or BUS 140H	Legal Environment of Business (Honors)	
BUS 160	International Business	
BUS 204	Business Statistics	
or BUS 204H	Business Statistics (Honors)	
BUS 290	Business Communication	
or BUS 290H	Business Communication (Honors)	
CSIT 110	Computer Applications	
CSIT 120	Fundamentals of Computer Information Systems	
Total Units		9-11

Certificate of Proficiency

Business Quick Startup

This program offers short, targeted, intensive classes designed to allow students to quickly complete their certificate and start a business. Business Quick Startup is designed to meet a variety of needs, including those of students with a concept they want to bring to market; those who may be interested in starting their own business but need to assess feasibility for an idea; and business owners who have identified an internal conceptual weakness needing improvement. This certificate is action-oriented and students will have tools they need to begin operations at the completion of the program.

Program Student Learning Outcome

- Upon completion of this program, the student will be able to develop a professional business plan with all supporting startup documentation.

Required courses:		
BUS 132	Marketing	3
BUS 152	Business Idea Generation and Feasibility Analysis	2
BUS 153	Business Startup Fundamentals	1
BUS 154	Funding the Entrepreneurial Venture	1
BUS 155	Business Plan Development	2
Select a minimum of 3 units from the following elective courses:		3
ACCT 104	Payroll Accounting	
ACCT 145	Individual Income Tax	
AUTO 105	Automotive Reconditioning and Detailing	
CSIT 146	E-Commerce and Web Presence	
CSIT 155	Social Media for Business	
DESN 101	Computer-Aided Design and Drafting	
DESN 203	Solid Modeling	
HORT 121	Sustainable Landscape and Turf Management	
HORT 166	Introduction to Sustainable Agriculture	
HOSP 130	Conference and Special Event Management	
Total Units		12

Certificate of Proficiency

Entrepreneurship Fundamentals

This certificate gives students planning their own business a great start by introducing classes and topics dealing with the three fundamental concerns of all business: money and finance (accounting), pursuing creative ideas and selling (marketing), and hiring, working with, and developing people (human relations). Students who complete this certificate are encouraged to then pursue the Entrepreneurship Certificate of Achievement.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to develop basic financial, communication, and personal management skills that will prepare him/her to create an entrepreneurial venture.

Required courses:		
ACCT 101	Practical Accounting	4
BUS 132	Marketing	3
BUS 136	Human Relations in Business	3
Including one of the following:		3
BUS 130	Entrepreneurship and Small Business Management	
Total Units		13

Certificate of Proficiency

Project Management

Project management careers include positions in diverse areas of business, such as construction, engineering, information technology, telecommunications, software development, and health care. This certificate focuses on both the development of knowledge and professional skills to become a project manager by developing job-related skills in the field and preparation for the professional certification exam. Coursework topics include principles of project management, computer applications, communication, and management.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to create an effective plan and schedule for a personal or business project from defined criteria, and monitor, control, and measure performance of the project.

Required courses:

BUS 131	Management Principles	3
BUS 133	Project Management	3
BUS 290	Business Communication	3
or BUS 290H	Business Communication (Honors)	
CSIT 110	Computer Applications	3
Select one course from the following:		3
BUS 120	Introduction to Business	
or BUS 120H	Introduction to Business (Honors)	
BUS 130	Entrepreneurship and Small Business Management	
BUS 136	Human Relations in Business	
CSIT 120	Fundamentals of Computer Information Systems	
DESN 204	Modeling, Prototyping, and Manufacturing	
MAT 120	Media Design 1: Production	

Total Units **15**

Certificate of Proficiency

Retail Assistant

This certificate covers topics essential to the retail workplace and addresses basic skills required for success in that setting.

Program Student Learning Outcome Statement

- Upon completion of this program the student will be able to develop basic marketing and sales skills that will enable him/her to acquire a position in a retail environment.

Required courses:

ACCT 158	Business Mathematics	3
BUS 132	Marketing	3
BUS 134	Retail Management	3

Total Units **9**

Certificate of Proficiency

Social Entrepreneurship

Students who start and run their own social enterprises have the potential to make a positive social impact in their community

and beyond. This certificate program is for both current and prospective social entrepreneurs. It assists students in learning, developing, and applying the skills needed to start, operate, and maintain a successful social enterprise. Students may take courses in any sequence.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to develop a business plan for a social enterprise that addresses a social problem impacting the local or global community.

Required courses:

SOC 101	Introduction to Sociology	3
or SOC 101H	Introduction to Sociology (Honors)	
SOC 102	Contemporary Social Problems	3
or SOC 105	Introduction to Justice Studies	
BUS 130	Entrepreneurship and Small Business Management	3
BUS 153	Business Startup Fundamentals	1
BUS 154	Funding the Entrepreneurial Venture	1
BUS 292	Internship Studies	1
or SOC 292	Internship Studies	

Total Units **12**

Courses

BUS 117: Human Resources Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces human resource management in business. Topics include the role and scope of human resource management in an organization, strategic human resource management planning, employment law, recruiting, training, employee development, employee communication, performance management, compensation and benefits programs, managing diversity and global operations, collective bargaining, and using human resources as a competitive advantage.

BUS 120: Introduction to Business

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in BUS 120H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces the trends and opportunities in today's dynamic business environment as they relate to economics, global markets, ethics and social responsibility, business ownership forms, entrepreneurship, management responsibility, human resources management, marketing, operations, accounting, and financial management. Students gain important business context and discover business career and educational opportunities. UC CREDIT LIMITATION: Credit for BUS 120 or BUS 120H. C-ID BUS-110.

BUS 120H: Introduction to Business (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in BUS 120.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course offers highly motivated students an introduction to trends and opportunities in today's dynamic business environment as they relate to economics, global markets, ethics and social responsibility, business ownership forms, entrepreneurship, management responsibility, human resources management, marketing, operations, accounting, and financial management. Students gain important business context and discover business career and educational opportunities. As an honors course, it provides students the opportunity to conduct supervised independent research and participate in instructor-led and collaborative discussions as well as in field trips related to industries, large publicly traded corporations, and business-related issues. UC CREDIT LIMITATION: Credit for BUS 120 or BUS 120H. C-ID BUS-110.

BUS 128: Introduction to Supply Chain Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall

This course provides an overview of key supply chain management and logistics processes, concepts, and methodologies. The course explores the framework for supply chain management, major issues and challenges, main cost and service elements, key strategies and practices, and strategic role of information technology. Students gain important global business context and explore supply chain management career and educational opportunities.

BUS 130: Entrepreneurship and Small Business Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

In this business start-up and management course, students learn about conducting preliminary research, analyzing trends and competition, buying and starting a business or franchise, developing a business plan, considering legal issues, target marketing, accounting, managing personnel, and responsible business practices.

BUS 131: Management Principles

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course explores contemporary management application issues. Topics include management theories, finding and developing leaders, motivating employees, strategic planning, hiring and training employees, developing workplace teams, dealing with organizational change, diversity, and ethical and social responsibilities of managers.

BUS 132: Marketing

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the principles of marketing. Topics include segmenting, targeting, market research, buyer behavior, distribution, retailing, advertising, selling, and international issues. Students gain an understanding of the marketing mix (product, distribution, promotion, and price) for a defined target market.

BUS 133: Project Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Spring

This course introduces students with varying backgrounds to the fundamental principles of contemporary project management in personal and professional environments. The course covers the principles and methods necessary to create an effective plan and schedule for a project; the techniques to monitor, control, and measure performance of the project once it is underway; and the competing demands of time, scope, and resources. Topics also include project management software, communication, Web resources, certifications, and lifelong learning.

BUS 134: Retail Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces the principles and practices used in managing retail businesses. Topics include site selection, layout, organization, staffing, positioning, customer service, promotional techniques, and all aspects of the critical buying function.

BUS 135: Personal Selling

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course covers professional selling skills and techniques. Topics include career opportunities, understanding buyer behavior, communication skills, prospecting, interviewing, motivating, persuading, handling objections, negotiating, closing, obtaining referrals, and addressing legal and ethical concerns.

BUS 136: Human Relations in Business

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course covers the major themes of human relations, including self-awareness, communication, motivation, and conflict resolution, from psychological, sociological, and physiological perspectives. It emphasizes interpersonal skills that promote personal and professional success in a culturally diverse, global, and high-tech business environment. Topics include the identification of values, ethics, teamwork, and leadership-skill development. The course also examines strategies that can be utilized to attain physical and emotional well-being with the workplace.

BUS 138: Business Promotion

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course provides students with an overview of the promotion function within marketing. Topics include brand promotion, segmenting, targeting, positioning, buyer behavior and influences, advertising, public relations, social media, direct marketing, sales promotion, and personal selling.

BUS 140: Legal Environment of Business

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in BUS 140H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces business-related law, ethics, social responsibility, and government regulations. Topics include dispute resolution, legal system and laws, torts, crimes, contracts, sales, warranties, negotiable instruments, secured transactions, bankruptcy, agency, employment, business entities, real and personal property, cyberlaw, and intellectual property. UC CREDIT LIMITATION: Credit for BUS 140 or BUS 140H. C-ID BUS-120, BUS-125.

BUS 140H: Legal Environment of Business (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in BUS 140.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course offers highly motivated students an introduction to business-related law, ethics, social responsibility, and government regulations. Topics include dispute resolution, legal system and laws, torts, crimes, contracts, sales, warranties, negotiable instruments, secured transactions, bankruptcy, agency, employment, business entities, real and personal property, cyberlaw, and intellectual property. As an honors course, it provides students the opportunity to conduct supervised independent legal research, participate in moot-court simulations when appropriate, and lead and participate in collaborative and instructor-led discussions. UC CREDIT LIMITATION: Credit for BUS 140 or BUS 140H. C-ID BUS-120, BUS-125.

BUS 141: Transportation and Logistics

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Spring

This course provides an overview of the principles and practices of transportation and its role within supply chain management. The course emphasizes physical transportation systems within the context of logistics management. Students gain important global supply chain context and explore transportation and logistics career and educational opportunities.

BUS 143: Warehousing Operations

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Spring

This course provides an overview of warehousing operations and the processes, technologies, and equipment within a warehouse facility as enablers for an efficient, effective, and comprehensive supply. Students gain important global supply chain context and explore warehousing operations career and educational opportunities.

BUS 144: Budgeting Basics

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Fall or Spring

This course addresses the preparation of an operating budget for businesses. Students prepare an integrated set of pro-forma financial statements and analyze budget versus actuals reports.

BUS 147: Personal Finance

Units: 3

Prerequisites: MATH 30 or eligibility determined by the math placement process.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course assists students in gaining the knowledge, tools, attitude, and skills needed to make informed lifelong financial decisions that will empower their lives. Students explore the social, psychological, and physiological issues related to planning and managing a personal financial plan. Topics include goal setting, budgeting, money management, taxes, savings, consumer credit, automobiles, housing, insurance, investment vehicles, retirement and estate planning, and the financial impact of marriage and divorce.

BUS 152: Business Idea Generation and Feasibility Analysis

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours.

Course Typically Offered: Fall or Spring

This course focuses on identification of potential business opportunities and the development of a feasibility study of a proposed business idea.

BUS 153: Business Startup Fundamentals

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Fall or Spring

This course addresses all logistical elements of business startup. Students complete required paperwork to start and operate a small business in California.

BUS 154: Funding the Entrepreneurial Venture

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Fall or Spring

This course introduces students to the various options available to fund a new or on-going business.

BUS 155: Business Plan Development

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours.

Course Typically Offered: Fall, Spring, and Summer

This course focuses on the development of a professional business plan for the purpose of obtaining funding. It emphasizes development of the business plan document, incorporating effective writing techniques, research, data analysis, and presentation. Students meet and collaborate with Small Business Development Center (SBDC) coaches throughout the course during the development process.

BUS 160: International Business

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall

This course covers international business, trade, and globalization. Topics include politics, laws, economics, cultures, ethics, foreign trade/investment/exchange, internationalizing a business, entering foreign markets, strategizing, structuring, and managing in a global economy with social responsibility.

BUS 204: Business Statistics

Units: 3

Prerequisites: MATH 28, MATH 30, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in BUS 204H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course examines the use of descriptive statistics, probability, confidence intervals, hypothesis testing, analysis of variance, regression and correlation analysis, chi-square, t-tests for one and two populations, and applications of technology-based statistical analysis using data from business, economics, political science, health science, information technology, and education, including the interpretation of the relevance of statistical findings for business problem solving and decision making. UC CREDIT LIMITATION: Credit for BTEC 180/BTEC 180H, BUS 204/BUS 204H, MATH 103/MATH 103S, PSYC 104/PSYC 104H, or SOC 125. Some CSU campuses may also impose this credit limitation.

BUS 204H: Business Statistics (Honors)

Units: 3

Prerequisites: MATH 28, MATH 30, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in BUS 204.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces statistical methods for analyzing data in business contexts. As an honors course, it offers an enriched experience for highly motivated students through a pro-seminar format and more in-depth coverage of course topics including application. This course examines the use of descriptive statistics, probability, confidence intervals, hypothesis testing, analysis of variance, regression and correlation analysis, chi-square, t-tests for one and two populations, and applications of technology-based statistical analysis using data from business, economics, political science, health science, information technology, and education, including the interpretation of the relevance of statistical findings for business problem solving and decision making. UC CREDIT LIMITATION: Credit for BTEC 180/BTEC 180H, BUS 204/BUS 204H, MATH 103/MATH 103S, PSYC 104/PSYC 104H, or SOC 125. Some CSU campuses may also impose this credit limitation.

BUS 205: Manufacturing and Service Operations

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall

This course focuses on the concepts, principles, problems, and practices of operations management. It emphasizes methodologies and processes for effective and efficient management of manufacturing and services operations. Students gain important global business context and explore operations management career and educational opportunities.

BUS 289: Career Mentoring

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Fall, Spring

This course provides students the opportunity to apply the theories and techniques of their discipline in a mentor/protege relationship under the instruction of a faculty coordinator. It introduces students to aspects of successful transfer, completion, and transition to a successful career.

BUS 290: Business Communication

Units: 3

Prerequisites: ENGL 100 or ENGL 100H

Enrollment Limitation: Not open to students with prior credit in BUS 290H.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course focuses on the principles of effective written, oral, and electronic communication. It emphasizes solving problems and eliciting positive response through carefully organized and designed memos, letters, reports, and presentations. C-ID BUS-115.

BUS 290H: Business Communication (Honors)

Units: 3

Prerequisites: ENGL 100 or ENGL 100H.

Enrollment Limitation: Not open to students with prior credit in BUS 290.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This honors course offers highly motivated students an enriched academic approach to the principles of effective written, oral, and electronic communication. The course emphasizes solving real-world problems and eliciting positive responses through carefully planned, organized, and designed memos, letters, reports, and presentations. C-ID BUS-115.

BUS 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

BUS 296: Topics in Business Administration

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Business Administration that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

BUS 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Areas of Study & Courses

BUS 302: Leadership and Personal Development

Units: 3

Prerequisites: ENGL 100 or ENGL 100H.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course explores how leaders influence organizations. It focuses on leadership and management topics related to communication, groups and teams, motivation, personal values, professional behavior, organizational structure, and diversity. The course integrates theory and practice. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

Career & Life Planning

Career and life planning courses help students make effective decisions regarding their career and life choices, and they provide the tools and techniques for developing a balanced, integrated lifestyle. Students gain self-understanding and develop techniques for successful career development and employment searches. The courses emphasize increasing self-knowledge, exploring potential majors and career paths, organizing successful job searches, and developing effective workplace behaviors and attitudes.

Contact Information

Chair: Donna Davis

Dean: Benjamin Gamboa
<https://www.miracosta.edu/student-services/career-center/index.html>

Department: Career Studies and Services

Office: Building OC4700,
760.795.6772

Full-Time Faculty

Donna Davis
Stacey Mathis

Courses

CRLP 101: Introduction to Career Planning

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the career planning process. It explores the student's interests, values, skills, and personality preferences as they relate to potential career and major options. Topics include career research, decision-making styles, goal setting, and job search strategies. The course emphasizes the process for actively managing one's own career.

Chemistry

Chemistry is the science of the composition, structure, properties, and reactions of matter, especially of atomic and

molecular systems. Students take chemistry courses to prepare for the major, to fulfill general education requirements, and to meet prerequisites for related courses and programs. A bachelor's degree in chemistry can lead to a career in scientific research, medicine, health, engineering, industry, government, environmental science, and teaching.

Academic and Career Pathway: Math and Sciences

Contact Information

Chair: Kristine

Arquero (Chemistry)

Dean: Michael Fino

<https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/chemistry/index.html>

Department: Chemistry

Office: OC 3600, 760.757.2121
x6924

Full-Time Faculty

Kristine Arquero
Theresa Bolaños
Kaitlin Fisher
Pierre Goueth

Christina Johnson
Kent McCorkle
Thong Nguyen
Lynn Trzoss

Courses

CHEM 103: Chemistry and Society: For Non-Science Majors

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course explores chemical concepts and their applications to everyday life. Topics explored include energy production, chemistry of the earth and atmosphere, pollution and the environment, and food and nutrition. The course also reviews properties of elements and compounds, energy and matter, chemical bonding, and major scientific discoveries.

CHEM 103L: Chemistry and Society: For Non-Science Majors (Lab)

Units: 1

Prerequisites: CHEM 103.

Enrollment Limitation: Concurrent enrollment in CHEM 103 if prerequisite not met.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is designed to accompany CHEM 103. It offers hands-on experiences with chemical techniques in both the laboratory and field. Lab topics include forensic analysis, cosmetics, batteries, acids, and bases. Common field trips include visits to a winery, brewery, nuclear power plant, cosmetic chemistry lab, ocean water desalination plant, and environmental conservation site.

CHEM 112: Introductory General, Organic, and Biological Chemistry: For Allied Health Majors

Units: 5

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in CHEM 116.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring, and Summer

This course surveys concepts and skills of the chemistry of living organisms with an emphasis on the human body. Topics include the structure of the atom, chemical bonding, chemical reactions, the structure and reactions of organic compounds, carbohydrates, lipids, amino acids and proteins, nucleic acids, and metabolism, with applications in the physiology, nutrition, and pharmacology of the human body. UC CREDIT LIMITATION: No credit if taken after CHEM 116.

CHEM 115: Introductory General Chemistry: For Allied Health Majors

Units: 4

Prerequisites: None

Advisory: MATH 30.

Enrollment Limitation: Not open to students with prior credit in CHEM 115H, CHEM 140, CHEM 150, or CHEM 150H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This introductory course for non-chemistry majors teaches students the language, materials, mathematics, and principles of chemistry. It covers properties of matter, atomic theory, use of the periodic table of the elements, naming of compounds, formulas and equations, metric measurement, physical states of matter, chemistry of solutions, acids and bases, and organic and nuclear chemistry. UC CREDIT LIMITATION: Credit for CHEM 115/CHEM 115H or CHEM 140. No credit if taken after CHEM 150/CHEM 150H.

CHEM 115H: Introductory General Chemistry: For Allied Health Majors (Honors)

Units: 4

Prerequisites: None

Advisory: MATH 30.

Enrollment Limitation: Not open to students with prior credit in CHEM 115, CHEM 140, CHEM 150, or CHEM 150H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This introductory course for non-chemistry majors teaches students the language, materials, mathematics, and principles of chemistry. It covers properties of matter, atomic theory, use of the periodic table of the elements, naming of compounds, formulas and equations, metric measurement, physical states of matter, chemistry of solutions, acids and bases, and organic and nuclear chemistry. This honors course offers highly motivated students the opportunity to complete, document, and discuss independent scientific research. UC CREDIT LIMITATION: Credit for CHEM 115/CHEM 115H or CHEM 140. No credit if taken after CHEM 150/CHEM 150H.

CHEM 116: Introductory Organic and Biological Chemistry: For Allied Health Majors

Units: 4

Prerequisites: CHEM 115, CHEM 115H, or CHEM 140.

Enrollment Limitation: Not open to students with prior credit in CHEM 210, or CHEM 210H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course introduces organic chemistry and is designed for students pursuing health professions. Topics include nomenclature, bonding, isomerization, reaction mechanisms, and instrumental methods of interpreting aliphatic and aromatic compounds as well as the structure and reactions of carbohydrates, proteins, lipids, nucleic acids, enzymes, and metabolic functions. UC CREDIT LIMITATION: No credit if taken after CHEM 210/CHEM 210H. C-ID CHEM-102.

CHEM 140: Preparation for General Chemistry: For Science Majors

Units: 4

Prerequisites: MATH 64 or MATH 64S, or eligibility determined by the math placement process.

Enrollment Limitation: Concurrent enrollment in MATH 64, MATH 64S if prerequisite not met. Not open to students with prior credit in CHEM 150 or CHEM 150H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This introductory chemistry course focuses on developing problem-solving skills needed for success in CHEM 150. It emphasizes the application of the scientific method, modern ideas concerning atomic structure and chemical bonding, the periodic table and its relationship to chemical properties, principles of stoichiometry including chemical ratio calculations, chemical nomenclature, properties of the states of matter, and chemical reaction principles. The laboratory component of this course provides direct participation in experiments, demonstrations, learning activities and discussions related to fundamental concepts in chemistry. UC CREDIT LIMITATION: Credit for CHEM 115/CHEM 115H or CHEM 140; No credit if taken after CHEM 150/CHEM 150H.

CHEM 150: General Chemistry I: For Science Majors

Units: 5

Prerequisites: CHEM 140, 1 yr high school chem, or qualification via placement exam; MATH 64, MATH 64S or eligibility determined by the math placement process.

Advisory: CHEM 140.

Enrollment Limitation: Not open to students with prior credit in CHEM 150H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring, and Summer

This first semester of a one-year general chemistry sequence focuses on the fundamental principles of chemistry. Students learn the application of these principles with special significance placed on chemical computation. Topics include atomic structure, bonding, the periodic table, nomenclature, chemical reactions, stoichiometry, thermochemistry, and bonding. The course emphasizes critical thinking, writing, problem solving, and analysis skills, and it meets requirements of chemistry, biochemistry, biology, physics, pre-dental, pre-medical, and pre-engineering majors. UC CREDIT LIMITATION: Credit for CHEM 150 or CHEM 150H. C-ID CHEM-110 and C-ID CHEM-120S (with CHEM 151/CHEM 151H).

CHEM 150H: General Chemistry I: For Science Majors (Honors)

Units: 5

Prerequisites: CHEM 140, 1 yr high school chem, or qualification via placement exam; MATH 64, MATH 64S or eligibility determined by the math placement process.

Advisory: CHEM 140.

Enrollment Limitation: Not open to students with prior credit in CHEM 150.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring

This first semester of a one-year general chemistry sequence focuses on the fundamental principles of chemistry. Students learn the application of these principles with special significance placed on chemical computation. Topics include atomic structure, bonding, the periodic table, nomenclature, chemical reactions, stoichiometry, thermochemistry, and bonding. The course emphasizes critical thinking, writing, problem solving, and analysis skills, and it meets requirements of chemistry, biochemistry, biology, physics, pre-dental, pre-medical, and pre-engineering majors. This honors course offers highly motivated students the opportunity to complete, document, and discuss independent scientific research. UC CREDIT LIMITATION: Credit for CHEM 150 or CHEM 150H. C-ID CHEM-110 and C-ID CHEM-120S (with CHEM 151/CHEM 151H).

CHEM 151: General Chemistry II: For Science Majors

Units: 5

Prerequisites: CHEM 150 or CHEM 150H.

Enrollment Limitation: Not open to students with prior credit in CHEM 151H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring, and Summer

This continuation of CHEM 150 studies the fundamental principles of chemistry and their applications. Topics include solutions, kinetics, equilibrium, acid-base chemistry, aqueous ionic equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and coordination chemistry. The laboratory includes a variety of experiments to supplement and reinforce the class work. It also includes a section on qualitative analysis. UC CREDIT LIMITATION: Credit for CHEM 151 or CHEM 151H. C-ID CHEM-120S (with CHEM 150/CHEM 150H).

CHEM 151H: General Chemistry II: For Science Majors (Honors)

Units: 5

Prerequisites: CHEM 150 or CHEM 150H.

Enrollment Limitation: Not open to students with prior credit in CHEM 151.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring

This continuation of CHEM 150 studies the fundamental principles of chemistry and their applications. Topics include solutions, kinetics, equilibrium, acid-base chemistry, aqueous ionic equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and coordination chemistry. The laboratory includes a variety of experiments to supplement and reinforce the class work. It also includes a section on qualitative analysis. This honors course offers highly motivated students the opportunity to complete, document, and discuss independent scientific research. UC CREDIT LIMITATION: Credit for CHEM 151 or CHEM 151H. C-ID CHEM-120S (with CHEM 150/CHEM 150H).

CHEM 210: Organic Chemistry I: For Science Majors

Units: 5

Prerequisites: CHEM 151 or CHEM 151H.

Enrollment Limitation: Not open to students with prior credit in CHEM 210H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring

This first course in a standard one-year organic chemistry sequence is designed for students majoring in chemistry and other sciences. Major themes include bonding, molecular structure, isomerism, conformational analysis, nomenclature, reaction mechanisms, and synthesis. The lecture emphasizes the mechanisms, reactions, and synthesis of aliphatic compounds, such as alkanes, cycloalkanes, alkenes, alkynes, alkyl halides, and alcohols; the lab emphasizes the determination of physical properties and the separation, purification, and identification of organic compounds using spectroscopic techniques. UC CREDIT LIMITATION: Credit for CHEM 210 or CHEM 210H. C-ID CHEM-150 and C-ID CHEM-160S (with CHEM 211/CHEM 211H).

CHEM 210H: Organic Chemistry I: For Science Majors (Honors)

Units: 5

Prerequisites: CHEM 151 or CHEM 151H.

Enrollment Limitation: Not open to students with prior credit in CHEM 210.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring

This first course in a standard one-year organic chemistry sequence is designed for students majoring in chemistry and other sciences. Major themes include bonding, molecular structure, isomerism, conformational analysis, nomenclature, reaction mechanisms, and synthesis. The lecture emphasizes the mechanisms, reactions, and synthesis of aliphatic compounds, such as alkanes, cycloalkanes, alkenes, alkynes, alkyl halides, and alcohols; the lab emphasizes the determination of physical properties and the separation, purification, and identification of organic compounds using spectroscopic techniques. This honors course offers highly motivated students the opportunity to complete, document, and discuss independent scientific research. UC CREDIT LIMITATION: Credit for CHEM 210 or CHEM 210H. C-ID CHEM-150 and C-ID CHEM-160S (with CHEM 211/CHEM 211H).

CHEM 211: Organic Chemistry II: For Science Majors

Units: 5

Prerequisites: CHEM 210 or CHEM 210H.

Enrollment Limitation: Not open to students with prior credit in CHEM 211H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring, and Summer

This continuation of the one-year organic chemistry sequence emphasizes the application of organic chemistry reactions, mechanisms and synthesis learned in CHEM 210 to other compounds. It examines new reactions for different functional groups, including alcohols, thiols, aldehydes, ketones, arenes, carboxylic acid and its derivative, amines, and their application in biological molecules. UC CREDIT LIMITATION: Credit for CHEM 211 or CHEM 211H. C-ID CHEM-160S (with CHEM 210/CHEM 210H).

CHEM 211H: Organic Chemistry II: For Science Majors (Honors)

Units: 5

Prerequisites: CHEM 210 or CHEM 210H.

Enrollment Limitation: Not open to students with prior credit in CHEM 211.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring

This continuation of the one-year organic chemistry sequence emphasizes the application of organic chemistry reactions, mechanisms and synthesis learned in CHEM 210 to other compounds. It examines new reactions for different functional groups, including alcohols, thiols, aldehydes, ketones, arenes, carboxylic acid and its derivative, amines, and their application in biological molecules. This honors course offers highly motivated students the opportunity to complete, document, and discuss independent scientific research. UC CREDIT LIMITATION: Credit for CHEM 211 or CHEM 211H. C-ID CHEM 160-S (with CHEM 210/CHEM 210H).

CHEM 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Chicano/Chicana Studies

Chicana/Chicano Studies is the interdisciplinary study of the socio-historical and contemporary factors that influence contemporary Chicana/o and Chicana/Latinx cultures including their pre-Hispanic roots in the Americas. Chicana/Chicana Studies focus on systematic racism, ethnocentrism, and Eurocentrism with the ultimate goal of overcoming systems of oppression throughout the world. Chicana/Chicano Studies also investigates how race/ethnicity intersects with colonialism, imperialism, class, gender, and sexuality. Students take courses to prepare for a Chicana/Chicano Studies major or to fulfill general education requirements. Career options include

Areas of Study & Courses

teaching at the high school and college level, social work, non-profit work, human services, counseling, law enforcement, legal professions, and business.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Sean Davis
Dean: Michael Fino
<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/sociology/index.html>
Department: Sociology
Office: Building OC3100,
760.795.6871

Courses

CCS 230: Introduction to Chicana/o Studies

Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 230.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course is an introductory survey of the field of Chicano studies and the socio-historical and contemporary factors that influence contemporary Chicana/o and Chicanx/Latinx cultures including their pre-Hispanic roots in the Americas. The cross-disciplinary approach examines applicable methods and theories from sciences and humanities to analyze the lived experiences of Chicanos/as and Chicanxs/Latinxs. This course is designed for those wishing to gain general knowledge of the Chicana/o and Chicanx/Latinx experience.

CCS 232: Critical Issues in Chicana and Latina Studies

Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 232.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall or Spring

This course examines critical themes in Chicana and Latina feminist scholarship and the lived experiences of Chicana and other Latina women in American society. It applies an interdisciplinary approach to examine power within and resistance to the family, religion, education, economics, culture, social conditions, health, and other areas.

Child Development

The Child Development program explores the social/emotional, cognitive/language, and physical/motor growth and development of children from conception through adolescence. Students take child development courses to obtain a certificate or permit, to earn an Associate in Arts degree, to prepare for university transfer, or for professional enrichment. Career options include a variety of professions that serve children and their families, such as infant/toddler

care, preschool teaching (including Head Start), elementary and secondary education, early childhood special education, program administration, school counseling, child psychology, child advocacy, social work, and community services.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Claudia Flores
Dean: Al Taccone
<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/child-development/index.html>
Department: Child Development
Office: Building OC4800,
760.795.6811

Full-Time Faculty

Ashley Davis
Claudia Flores
Ansina Green
Rhonda Welch-Scalco

Associate Degrees

Associate in Arts Degrees

Child Development Associate Teacher

Child Development Master Teacher

Child Development Site Supervisor

Child Development Teacher

Students may earn one of the above-named associate degrees by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 67)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Associate in Arts Degree

Child and Adolescent Development for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a child and adolescent development degree, an emphasis or option within a child and adolescent development degree, or a degree considered similar to child and adolescent development at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a child and adolescent development major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcomes

- ▶ Upon successful completion of this program, students will be able to analyze and apply principles of growth and development from conception through adolescence.

Required Core:		9-10
CHLD 113	Child and Adolescent Growth and Development *	
PSYC 101	General Psychology *	
or PSYC 101H	General Psychology (Honors)	
BTEC 180	Biostatistics **, **	
or BUS 204	Business Statistics	
or MATH 103	Statistics	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOC 125	Introduction to Statistics in Sociology	
Select three courses:		9
CHLD 200	Observation & Assessment in Early Childhood	
CHLD 210	Child, Family, and Community *	
PSYC 205	Research Methods in Psychology	
or SOC 205	Introduction to Research Methods in Sociology	
Total Units		18-19

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the statistics and honors courses listed are also GE courses.

** SOC 125 or PSYC 104/PSYC 104H are recommended for this degree.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Science Degree

Early Childhood Education for Transfer

Students completing this associate degree will have completed the lower-division major preparation for a bachelor's degree in child development, early childhood education, or a similar major at a participating CSU campus. Following transfer to

a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree.

Students completing this degree program will also be prepared for employment in a variety of school and community settings. Early Childhood Education students with this degree possess the competencies to work in both private and public early care and education settings serving infants through preschool-age children. Students can also work as a teacher in a before-and-after school program serving school-age children. This degree meets the course work requirements of the Teacher level Child Development Permit from the California Commission on Teacher Credentialing.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

- ▶ At the conclusion of the program of study, the student will be able to analyze and apply key theories and concepts of early care and education to employment settings and to advanced academic study in child development and related academic disciplines.

Required courses:		
CHLD 105	Introduction to Teaching Young Children	3
CHLD 106	Introduction to Curriculum in Early Childhood	3
CHLD 113	Child and Adolescent Growth and Development *	3
CHLD 200	Observation & Assessment in Early Childhood	3
CHLD 205	Health, Safety, and Nutrition *	3
CHLD 210	Child, Family, and Community *	3
CHLD 235	Children in a Diverse Society *	3
CHLD 270	Practicum - The Student Teaching Experience	3
Total Units		24

* Course satisfies a general education requirement on the CSU-GE or IGETC general education pattern. To ensure this degree is completed with no more than 60 units, students

should select courses that will also satisfy a general education requirement.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

The Child Development program certificates are designed to prepare students for employment as teachers, aides, directors, and entrepreneurs in preschools, child care centers (including infant/toddler facilities), and family child care programs. Courses are also appropriate for parents, nannies, camp counselors, recreation leaders, elementary school teaching assistants, social service and health care practitioners, administrators, and others working with children.

Certificates meet the course requirements for teachers and directors of private child care programs licensed by the California State Department of Social Services (Title 22), Community Care Licensing. The program also meets the coursework requirements for the Child Development Permit issued by the California Commission on Teacher Credentialing. Child development programs that are state or federally funded (Title 5 programs, such as Head Start and state preschools) follow the Child Development Permit Matrix.

The Child Development program offers six certificates to meet the individual student's needs. Because the certificates follow the Child Development Permit Matrix and are sequential, students can continue to earn additional certificates. Course work completed for the Assistant and Associate Teacher certificates provides the foundation for more specialized courses and a wider range of career options with the Teacher, Master Teacher, Site Supervisor, and Early Intervention and Inclusion certificates.

Certificate of Achievement Child Development Associate Teacher

This certificate exceeds the minimum teaching requirements for centers regulated by Title 22. It also meets the Associate Teacher Permit requirements for provision of instruction and supervision of assistant teacher-level staff in Title 5 schools.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to design and implement curriculum based on observation and assessment of young children to support play and learning in an early childhood classroom.

Required courses:		
CHLD 105	Introduction to Teaching Young Children	3
CHLD 112 or CHLD 113	Child Growth and Development Child and Adolescent Growth and Development	3
CHLD 205	Health, Safety, and Nutrition	3
CHLD 210	Child, Family, and Community	3
Select at least 6 elective units from the following:		6
CHLD 106	Introduction to Curriculum in Early Childhood	

CHLD 109	Child Behavior and Guidance	
CHLD 111	Programs for Infants and Toddlers	
CHLD 130	Science and Math for Young Children	
CHLD 140	Language and Literacy in Early Childhood	
CHLD 150	Art for Young Children	
CHLD 160	Music and Movement for Young Children	
CHLD 200	Observation & Assessment in Early Childhood	
CHLD 230	Family Engagement in Early Childhood Programs	
CHLD 235	Children in a Diverse Society	
CHLD 240	Children with Special Learning Needs	
Total Units		18

Note: To be eligible for the State of California Child Development Permit—Associate Teacher, students must also complete an experience requirement of 50 days of 3 or more hours per day within 2 years.

Certificate of Achievement Early Intervention and Inclusion

This certificate is designed to train students to work with young children with special needs (birth to 8 years of age), with those who may be at risk for developmental delays and disabilities, and with their families. This certificate is appropriate for students working as an assistant or a paraprofessional in early intervention or early childhood special education, or as a teacher in an inclusive early childhood program.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to adapt early learning activities and classroom strategies that meet the individual needs of young children.

Required courses:		
CHLD 105	Introduction to Teaching Young Children	3
CHLD 109	Child Behavior and Guidance	3
CHLD 111 or CHLD 212	Programs for Infants and Toddlers Advanced Issues in Infant-Toddler Care	3
CHLD 112 or CHLD 113	Child Growth and Development Child and Adolescent Growth and Development	3
CHLD 205	Health, Safety, and Nutrition	3
CHLD 210	Child, Family, and Community	3
CHLD 230	Family Engagement in Early Childhood Programs	3
CHLD 240	Children with Special Learning Needs	3
CHLD 270	Practicum - The Student Teaching Experience *	3
Total Units		27

* This course has the following prerequisites: CHLD 105, CHLD 106, CHLD 112 or CHLD 113, and CHLD 210.

Certificate of Achievement

Child Development Teacher

This certificate exceeds the minimum teaching requirements for centers regulated by Title 22. It also meets the Teacher Permit requirements for provision of instruction and supervision of assistant or associate teacher-level staff in a Title 5 (state or federally funded) child development program.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to design and implement curriculum based on observation and assessment of young children to successfully manage an early childhood classroom.

See notation for 16-unit general education requirement.

Required courses:		
CHLD 105	Introduction to Teaching Young Children	3
CHLD 106	Introduction to Curriculum in Early Childhood	3
CHLD 109	Child Behavior and Guidance	3
CHLD 112 or CHLD 113	Child Growth and Development Child and Adolescent Growth and Development	3
CHLD 200	Observation & Assessment in Early Childhood	3
CHLD 205	Health, Safety, and Nutrition	3
CHLD 210	Child, Family, and Community	3
CHLD 270	Practicum - The Student Teaching Experience *	3
Select at least 3 elective units from the following:		3
CHLD 111	Programs for Infants and Toddlers	
CHLD 130	Science and Math for Young Children	
CHLD 140	Language and Literacy in Early Childhood	
CHLD 150	Art for Young Children	
CHLD 160	Music and Movement for Young Children	
CHLD 230	Family Engagement in Early Childhood Programs	
CHLD 235	Children in a Diverse Society	
CHLD 240	Children with Special Learning Needs	
Select at least 16 units in general education.		16
Include at least one course in each of the following: Humanities, Social Sciences, Math and/or Science, English.		
Total Units		43

* This course has the following prerequisites: CHLD 105, CHLD 106, CHLD 112 or CHLD 113, and CHLD 210.

Note: To be eligible for the State of California Child Development Permit—Teacher, students must also complete an experience requirement of 175 days of 3 or more hours per day within 4 years.

Certificate of Achievement

Child Development Master Teacher

This certificate exceeds the minimum teaching requirements for Title 22 schools. It is designed to meet the Master Teacher requirements for Title 5 child development programs. This includes providing instruction, supervising assistants, associate teachers, and teacher-level staff, and serving as coordinator of curriculum and staff development.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to design, implement, and evaluate effective program practices to successfully manage an early childhood classroom.

See notation for 16-unit general education requirement.

Required courses:		
CHLD 105	Introduction to Teaching Young Children	3
CHLD 106	Introduction to Curriculum in Early Childhood	3
CHLD 109	Child Behavior and Guidance	3
CHLD 112 or CHLD 113	Child Growth and Development Child and Adolescent Growth and Development	3
CHLD 200	Observation & Assessment in Early Childhood	3
CHLD 205	Health, Safety, and Nutrition	3
CHLD 210	Child, Family, and Community	3
CHLD 245	Adult Supervision and Mentoring in Early Care and Education	3
CHLD 270	Practicum - The Student Teaching Experience *	3
Select at least 3 units from the following:		3
CHLD 130	Science and Math for Young Children	
CHLD 140	Language and Literacy in Early Childhood	
CHLD 235	Children in a Diverse Society	
Select at least 6 units from one area of specialization :		6
Infant/Toddler		
CHLD 111	Programs for Infants and Toddlers	
CHLD 212	Advanced Issues in Infant-Toddler Care	
Creative Arts		
CHLD 150	Art for Young Children	
CHLD 160	Music and Movement for Young Children	
Special Needs		
CHLD 230	Family Engagement in Early Childhood Programs	

CHLD 240	Children with Special Learning Needs	
Consult faculty for other specialization options.		
Select at least 16 units in general education.		16
Include at least one course in each of the following: Humanities, Social Sciences, Math and/or Science, English.		
Total Units		52

* This course has the following prerequisites: CHLD 105, CHLD 106, CHLD 112 or CHLD 113, and CHLD 210.

Note: To be eligible for the State of California Child Development Permit—Master Teacher, students must also complete an experience requirement of 350 days of 3 or more hours per day within 4 years.

Certificate of Achievement

Child Development Site Supervisor

This certificate is designed for students who will be single-site supervisors under Title 5 or center directors under Title 22. It allows holders to supervise master teachers, teachers, associate teachers, and assistants as well as to manage single-site programs, provide instruction, and serve as coordinators of curriculum and staff development.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to design, implement, and evaluate effective program practices to successfully manage an early childhood center or program.

Required courses:		
CHLD 105	Introduction to Teaching Young Children	3
CHLD 106	Introduction to Curriculum in Early Childhood	3
CHLD 109	Child Behavior and Guidance	3
CHLD 112 or CHLD 113	Child Growth and Development Child and Adolescent Growth and Development	3
CHLD 200	Observation & Assessment in Early Childhood	3
CHLD 205	Health, Safety, and Nutrition	3
CHLD 210	Child, Family, and Community	3
CHLD 245	Adult Supervision and Mentoring in Early Care and Education	3
CHLD 250	Administration I: Programs in Early Childhood Education	3
CHLD 251	Administration II: Personnel and Leadership in Early Childhood Education	3
CHLD 270	Practicum - The Student Teaching Experience *	3
Select at least 3 elective units from the following:		3
CHLD 111	Programs for Infants and Toddlers	
CHLD 230	Family Engagement in Early Childhood Programs	

CHLD 235	Children in a Diverse Society	
CHLD 240	Children with Special Learning Needs	
Total Units		36

* This course has the following prerequisites: CHLD 105, CHLD 106, CHLD 112 or CHLD 113, and CHLD 210.

Note: To be eligible for the State of California Child Development Permit—Site Supervisor, students must also complete an Associate in Arts degree and an experience requirement of 350 days of 3 or more hours per day within 4 years, including at least 100 days of supervising adults.

Certificate of Proficiency

Child Development Assistant Teacher

This certificate meets the minimum teaching requirements for private child care centers regulated by Title 22. It also allows students to assist in the instruction of children under the supervision of an associate teacher-level or above in a Title 5 child development program.

Program Student Learning Outcome Statement

- Upon completion of the program, the student will be able to convey how theories of child development and socialization can be applied to support play and learning in an early childhood classroom.

Required courses:		
CHLD 112 or CHLD 113	Child Growth and Development Child and Adolescent Growth and Development	3
CHLD 210	Child, Family, and Community	3
Select at least 6 elective units from the following:		6
CHLD 105	Introduction to Teaching Young Children	
CHLD 106	Introduction to Curriculum in Early Childhood	
CHLD 109	Child Behavior and Guidance	
CHLD 111	Programs for Infants and Toddlers	
CHLD 130	Science and Math for Young Children	
CHLD 140	Language and Literacy in Early Childhood	
CHLD 150	Art for Young Children	
CHLD 160	Music and Movement for Young Children	
CHLD 205	Health, Safety, and Nutrition	
Total Units		12

Courses

CHLD 105: Introduction to Teaching Young Children

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces working with young children in early care and education programs. It examines the theories and principles of developmentally appropriate practice in early learning environments and emphasizes positive relationships, constructive adult-child interactions, program planning, and effective teaching strategies. Topics include the historical roots of early childhood programs, contemporary curriculum models, and the evolution of professional practices promoting advocacy, ethics, professional identity, and an understanding of career pathways. C-ID ECE-120.

CHLD 106: Introduction to Curriculum in Early Childhood

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces teachers of young children (birth to age six) to designing early learning environments and planning curriculum in early care and education settings. It covers the relationship of theory and practice, the contributions of current research, the influence of different curriculum models and approaches, the role of observation, documentation and assessment in the curriculum planning process, and the incorporation of reflective teaching practices across the curriculum to meet the needs of all learners. Students examine the teacher's role in supporting development and engagement for all young children. C-ID ECE-130.

CHLD 109: Child Behavior and Guidance

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course relates children's behavior to appropriate teaching and parenting strategies and interventions. It explores effective techniques for interacting with children, including children with special needs, and addresses issues such as separation from parents, new experiences, routines, peer interaction, fears, frustrations, and aggression. Students learn how to access community agencies and family services to provide specialized support.

CHLD 111: Programs for Infants and Toddlers

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is specifically designed for caregivers of infants and toddlers. The class focuses on the growth and development of the child, prenatal through three years of age, within various social contexts. Topics include fostering relationships, implementing health and safety practices, designing early learning environments and activities, accommodating individual differences, and creating partnerships with parents and families. This course meets state licensing requirements for child care providers.

CHLD 112: Child Growth and Development

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course examines the major physical, cognitive, language, and social-emotional developmental milestones for children, both typical and atypical, from conception through age six. It emphasizes the interactions between maturational processes and environmental factors within cultural and family contexts. While studying developmental theory and research methodologies, students observe children, evaluate individual differences, and analyze characteristics of development at various stages. UC CREDIT LIMITATION: Credit for CHLD 112, CHLD 113, or PSYC 121.

CHLD 113: Child and Adolescent Growth and Development

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course examines the major physical, cognitive, language, and psychosocial developmental milestones for children, both typical and atypical, from conception through adolescence. It emphasizes interactions between maturational processes and environmental factors. While studying developmental theory and research methodologies, students observe children, evaluate individual differences, and analyze characteristics of development at various stages. UC CREDIT LIMITATION: Credit for CHLD 112, CHLD 113, or PSYC 121. C-ID CDEV-100.

CHLD 130: Science and Math for Young Children

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course provides teachers with knowledge and skills related to science and mathematics curriculum in early care and education settings. It focuses on understanding the ways in which children learn science and mathematics, the stages of children's cognitive development, the scientific process, content and standards of science and mathematics education, the teacher's role in the scientific process, and ways in which science and mathematics can be integrated across the early childhood curriculum.

CHLD 140: Language and Literacy in Early Childhood

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course gives teachers of young children the skills and knowledge needed to effectively plan, document, and implement language and literacy activities in the early childhood classroom. It focuses on understanding how our image of the child reflects the methods and materials provided for language and literacy. Topics include the developmental stages of children's language and communication skills, the teacher's role in language and literacy, and ways in which language and literacy can be integrated across the early childhood curriculum.

CHLD 150: Art for Young Children

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course provides teachers of young children with the skills and knowledge needed to develop aesthetic and perceptual awareness in the young child through exploration of various art media and developmentally appropriate activities and experiences. Topics include how our image of the child reflects the methods and materials provided for creative expression; the developmental stages of children's art and creative expression; studio and art center design; planning, documenting, and exhibiting children's art work; the teacher's role in the creative process; and how to integrate art and aesthetics across early childhood curriculum.

CHLD 160: Music and Movement for Young Children

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Spring

This course provides teachers of young children with the skills and knowledge needed to use music and movement experiences in the early childhood classroom to inspire creative expression. Topics include how our image of the child reflects the methods and materials provided for music and creative movement; the developmental stages of children's creative expression; the design of developmentally appropriate, culturally sensitive, and individually adapted music and movement experiences; planning, documenting, and performing children's music and movement; the teacher's role in creative process; and the ways in which music and movement can be integrated across the early childhood curriculum.

CHLD 200: Observation & Assessment in Early Childhood

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on the appropriate use of observation and assessment strategies to document child growth and development, appraise child behavior, and plan for learning in quality early childhood programs. The course also explores recording strategies, rating systems, portfolios, documentation, and various assessment methods. Students conduct and analyze child observations. C-ID ECE-200.

CHLD 205: Health, Safety, and Nutrition

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course provides those who care for children an overview of health, safety, and nutrition issues. Students develop skills and techniques in ways to promote physical and mental health, identification and management of common childhood illnesses, menu planning and nutritional analysis, safety management and injury prevention, child abuse identification and prevention, and program planning. Topics also include culturally and developmentally appropriate practice, collaboration with families and health professionals, policies and regulations, children with special needs, and current issues. C-ID ECE-220.

CHLD 210: Child, Family, and Community

Units: 3

Prerequisites: None

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course examines the developing child in a societal context and focuses on the interrelationships of family, school, and community as agents of socialization from historical, socio-cultural, and contemporary perspectives. The course highlights the processes of socialization and identity development, demonstrating the importance of respectful, reciprocal relationships that support and empower families in a culturally diverse society. C-ID CDEV-110.

CHLD 212: Advanced Issues in Infant-Toddler Care

Units: 3

Prerequisites: None

Advisory: CHLD 111

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Spring

This course helps infant and toddler caregivers and directors interpret and apply the guidelines for quality care for children birth through three years of age. Topics include the role of the infant care teacher, new insights into early learning and development, the central role of families, guidelines for operating quality infant/toddler programs, facilitating learning and development with infants and toddlers, and program leadership and policies. This course meets state licensing requirements for child care providers and is aligned with the California Infant/Toddler Learning and Development Foundations and Curriculum Framework, and it can be combined with CHLD 111 as an area of specialization for the Master Teacher Permit/Certificate.

CHLD 230: Family Engagement in Early Childhood Programs

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course examines the ways in which early care and education program staff can build ongoing, reciprocal, and respectful relationships with program families. The course focuses on identifying communication methods and interactional strategies that promote authentic family/professional partnerships from a strength-based approach. Topics include family dynamics and well-being; parenting styles; families as life-long educators; cultural, linguistic, gender, and developmental diversity; community resources; and support systems.

CHLD 235: Children in a Diverse Society

Units: 3

Prerequisites: None

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course examines the influence of culture on the development of children's social identities. It explores anti-bias strategies that can be utilized in parenting, classroom, or social settings to support children from diverse cultures. It also examines culturally relevant and linguistically appropriate anti-bias approaches that support children in becoming competent members of society. The course involves self-reflection of one's own understanding of educational principles in integrating anti-bias in order to better inform teaching practices and/or program development. C-ID ECE-230.

CHLD 240: Children with Special Learning Needs

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on learning to work with children with a wide range of abilities, challenging behaviors, and other special learning needs in inclusive early childhood settings. Topics include attention to relevant special education legislation and family-focused practices. The course emphasizes adapting programming, curriculum and classroom teaching strategies to meet the needs of all young children, including those from culturally diverse backgrounds.

CHLD 245: Adult Supervision and Mentoring in Early Care and Education

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: To be arranged

Teachers of young children study the methods and principles of supervising and mentoring teachers, assistant teachers, student teachers, parents, and volunteers in early childhood classrooms. The course emphasizes the knowledge, skills, and competencies of classroom teachers who must function as new teacher mentors and address the needs of children, parents, and other adult learners. Topics include effective communication, problem solving, and negotiation in establishing positive interpersonal relations.

CHLD 250: Administration I: Programs in Early Childhood Education

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall

This course is designed for directors and assistant directors of early childhood programs. Topics include program types, budget, management, licensing and state regulations, development and implementation of policies and procedures, working with diverse populations, and health and safety guidelines. Students examine administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program.

CHLD 251: Administration II: Personnel and Leadership in Early Childhood Education

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Spring

This course is designed for directors and assistant directors of early childhood programs. Topics include effective strategies for personnel management, legal and ethical responsibilities, supervision techniques, professional development, and in-service training. Additional focus includes strategies for partnering with parents, motivating staff, and fostering effective community relations within diverse cultural contexts.

CHLD 270: Practicum - The Student Teaching Experience

Units: 3

Prerequisites: CHLD 105, CHLD 106, CHLD 113, and CHLD 210.

Acceptable for Credit: CSU

Lecture 1 hour, laboratory 6 hours.

Course Typically Offered: Fall, Spring

Teachers of young children apply developmentally appropriate early childhood teaching competencies under guided supervision in the campus Child Development Center or in a community early childhood program. Students use their practicum experience to connect theory and practice as they develop professional behaviors and build a comprehensive understanding of children and families. The course emphasizes child-centered, play-oriented approaches to teaching, learning, planning, and assessment. C-ID ECE-210.

CHLD 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

CHLD 296: Topics in Child Development

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Child Development that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

CHLD 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Communication

The Communication Studies program provides students with a theoretical and methodological foundation of the nature of communication in its various forms and contexts as well as the uses, effects, and relevancy of communication in their own lives. Students take communication courses to prepare to transfer with a major in communication or to meet general education requirements. A bachelor's degree in communication can lead to a career in advertising, broadcasting, community relations, consulting, counseling, education, film, foreign service, fundraising, human resources, journalism, international relations, law, management, marketing, mediation, ministry, politics, public relations, sales, speech writing, and social work.

Academic and Career Pathway: Languages, Communication, and Humanities

Contact Information

Chair: Eric Robertson
Dean: Antonio Alarcon
<https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/communication-studies/index.html>

Department: Communication Studies
Office: Administration Building, San Elijo Campus, 760.634.7879

Full-Time Faculty

Sam Arenivar
 Rachel Hastings
 Anthony Ongyod
 Leola Powers
 Eric Robertson

Associate Degree

Associate in Arts Degree

Communication Studies for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a communications degree, an emphasis or option within a communications degree, or a degree considered similar to communications at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a communications major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

Upon completion of this program, the student will

- ▶ have developed the ability to present clear and effective messages.
- ▶ understand the relevance of the theories and methods of communication.
- ▶ be prepared for transfer to a communication studies program in a California State University.

Required Core:

COMM 101	Public Speaking *	3
List A: 6 Units. Select two courses.		6
COMM 106	Group Communication *	
COMM 207	Interpersonal Communication *	
COMM 212	Argumentation *, **	
List B: 6 Units. Select two courses.		6
Any course from List A not already used.		
COMM 111	Narrative Performance *	
COMM 120	Principles of Human Communication *, **	
COMM 215	Intercultural Communication *	
COMM 220	Introduction to Mass Communication *	
List C: 3 Units. Select one course.		3
Any course from List A or B not already used.		
COMM 135	Gender Studies in Communication *	
Total Units		18

* Course satisfies a general education requirement on the CSU-GE or IGETC general education pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement.

** Course is required major preparation at CSU San Marcos (CSUSM). Students planning to transfer to CSUSM are advised to select these courses to complete this degree. For more information on this major at CSUSM, please refer to the articulation agreement at assist.org.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Courses

COMM 101: Public Speaking

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course provides training in the basic principles of oral expression. Students learn how to select and research subjects, organize and support ideas, and prepare and deliver various forms of speeches. C-ID COMM-110.

COMM 106: Group Communication

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to group communication processes and principles and the necessary role of discussion in society. While addressing current topics of controversy, students learn and apply theories of group problem solving, roles, conflict resolution, leadership, ethics, and decision making. Students develop group communication skills in verbal and nonverbal interaction, participation, organization, and cultural diversity. C-ID COMM-140.

COMM 111: Narrative Performance

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course introduces narrative performance and analysis of narrative works of art in their intellectual, emotional, and aesthetic forms. Class readings include traditional and contemporary approaches to storytelling and types of narratives, such as prose, poetry and drama. Students develop methods for constructing narratives and performance strategies for telling stories, including vocal and physical expressiveness, variety, and flexibility through narrative performance. C-ID COMM-170.

COMM 120: Principles of Human Communication

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces human communication concepts and theories. It focuses on the role and significance of communication in and across different contexts, and it covers the basic structures and processes of communication. Topics include message production, message reception, and varying influences on human communication, such as interpersonal, intercultural, and mediated contexts. C-ID COMM-180.

COMM 135: Gender Studies in Communication

Units: 3

Prerequisites: None

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course examines the communication patterns typically exhibited by men and women. It studies differences and similarities in verbal and nonverbal behaviors, perception, conflict, leadership, and interpersonal relationships. Students develop an awareness and appreciation of gender as an important variable in human communication, in both public and private settings.

COMM 207: Interpersonal Communication

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course provides for the study of communication within an interpersonal context. It includes the study of the communication process, perception, the symbolic nature of language, nonverbal codes, principles of effective communication, and the effects of communication on people in society. C-ID COMM-130.

COMM 212: Argumentation

Units: 3

Prerequisites: None

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course examines the psychological and logical basis of argument and principles of effective organization. It teaches the development and application of critical thinking skills as well as the practice of creating and evaluating arguments so students can become more skilled and responsible advocates. C-ID COMM-120.

COMM 215: Intercultural Communication

Units: 3

Prerequisites: None

Advisory: ENGL 100 or ENGL 100H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course analyzes the cultural factors and variables that influence human-communication choices and actions. It focuses on perception, language, reasoning, nonverbal messages, values, beliefs, attitudes, and rules. Students learn to identify the cultural principles and variables of communication so as to act effectively and responsibly when interacting with diverse persons in various contexts. C-ID COMM-150.

COMM 220: Introduction to Mass Communication

Units: 3

Prerequisites: None

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course covers the history, role, and impact of mass media in the United States. It demonstrates various media operations in the U.S. and their societal and cultural effects. The course enables students to be informed, critical consumers of mass media, and to understand how the media influence attitudes, values, beliefs, and perceptions. C-ID JOUR-100.

COMM 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

COMM 296: Topics in Communication

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Communications that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

COMM 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Occupational Cooperative Work Experience Education is intended for students employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Computer Science

Computer science is the study of computers and their applications. This discipline includes a variety of specialties, such as software engineering, human-computer interaction, systems programming, artificial intelligence, robotics, networking, and graphics. In preparation for transfer into more advanced fundamental and specialized areas, students learn basic programming, data structures, and computer architecture. Computer science majors will also need two or three semesters of calculus and discrete mathematics, depending on their choice of transfer institution. Career options in computer science include software engineer, computer engineer, systems analyst, database administrator, and software project manager.

(See also: Computer Studies & Information Technology)

Academic and Career Pathway: Math and Sciences.

Contact Information

Chair: Michael Paulding

Dean: Al Taccone

<https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/computer-science/index.html>

Department: Computer Science

Office: Building OC4800, 760.795.6811

Full-Time Faculty

Nery Chapeton-Lamas

Michael Paulding

Catherine Walker

Associate Degrees

Associate in Arts Degree

Software Development

Students may earn the above-named associate degree by completing a certificate of achievement and the general education courses required for MiraCosta's Associate in Arts degree (see Associate Degrees (p. 67)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to analyze, design, and generate mature software solutions to complex and abstract programming problems utilizing efficient and appropriate algorithms while working alone or cooperatively in a team. Students will also be to competently explain and present the code and the results both verbally and in writing.

Associate in Arts Degree

Computer Science for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a computer science degree, an emphasis or option within a computer science degree, or a degree considered similar to computer science at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a computer science major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

*Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

- ▶ Upon successful completion of this program, students will be able to develop communication, critical thinking, algorithmic analysis, programming, and problem solving skills that will effectively prepare them for advanced study in computer science at the university level.

Required courses:		
CS 112	Introduction to Computer Science II: Java	3
CS 113	Basic Data Structures and Algorithms	3
CS 220	Computer Architecture and Assembly Language	3
CS 226	Discrete Structures	4
MATH 150 or MATH 150H	Calculus and Analytic Geometry I *	5
MATH 155 or MATH 155H	Calculus and Analytic Geometry II *	4
PHYS 151 or PHYS 151H	Principles of Physics I *	4
BIO 204 or BIO 204H	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology	4
or CHEM 150 or CHEM 150H	General Chemistry I: For Science Majors	
or PHYS 152 or PHYS 152H	Principles of Physics II	
	Principles of Physics II (Honors)	
Total Units		30

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the BIO, CHEM, MATH, and PHYS courses listed are also GE courses.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Certificate

Certificate of Achievement

Software Development

This certificate provides a strong foundation for knowledge of basic object-oriented programming (OOP) techniques and data structures used in computer science. Students gain experience in several OOP programming languages and in analyzing and assessing problems and formulating appropriate solutions. Completing this certificate will help students advance in their careers as computer programming professionals and solidify the foundation of their computer science skills.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to analyze, design, and develop mature software solutions to complex and abstract programming problems utilizing efficient and appropriate algorithms while working alone or cooperatively in a team. Students will also be to competently explain and present the code and the results both verbally and in writing.

Required courses:

CS 111	Introduction to Computer Science I: Java	3
CS 112	Introduction to Computer Science II: Java	3
CS 113	Basic Data Structures and Algorithms	3
CS 150	C++ Programming	3
CS 210	Software Engineering	3
CS 220	Computer Architecture and Assembly Language	3
Select at least 6 elective units from the following:		6
CS 130	Fundamentals of Scripting Languages	
CS 134	Mobile Application Development	
CS 138	Programming with Python	
CS 151	Advanced C++ Programming	
CS 155	C# and the .NET Framework	
CS 226	Discrete Structures	
or MATH 226	Discrete Mathematics	
or MATH 226H	Discrete Mathematics (Honors)	
BUS 133	Project Management	

Total Units **24**

Certificate of Proficiency

Game Developer

This certificate provides the focused skill set necessary for video game development. Students gain experience in writing efficient code and designing the user experience while developing strong problem-solving skills. Curriculum emphasizes the data structures, algorithms, and software architecture techniques used to create games. Completing this certificate will help students advance their careers as game developers and solidify the foundation of their computer science skills.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to demonstrate proficiency in the fundamental techniques of video game design and development.

Required courses:

CS 111	Introduction to Computer Science I: Java	3
or CS 150	C++ Programming	
CS 155	C# and the .NET Framework	3
Select one course from the following:		3
MAT 145	UI/UX Design	

MAT 150 Animation and Interactivity

MAT 190 Programming for Animation, Interactivity, and Games

Total Units **9**

Certificate of Proficiency**Mobile Application Development**

The Mobile Application Development certificate offers students familiar with programming languages or just starting out the opportunity to specialize in mobile app development for smartphones and tablets with an open-source platform. Students employ active learning with Integrated Development Environments (IDEs), frameworks, APIs, designing and handling user input, designing layouts, application events, managing navigation, and core device features, such as GPS, accelerometers, and touch gestures.

Program Student Learning Outcome Statement

- Upon successful completion of this program, students will be able to demonstrate proficiency in the fundamental techniques of mobile application development.

Required courses:

CS 111	Introduction to Computer Science I: Java	3
CS 112	Introduction to Computer Science II: Java	3
CS 134	Mobile Application Development	3
Select one course from the following:		3
MAT 145	UI/UX Design	
MAT 150	Animation and Interactivity	
MAT 190	Programming for Animation, Interactivity, and Games	

Total Units **12**

Courses**CS 101: Introduction to Computer Science Principles**

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces beginning or exploring students to core principles, theories, and topics in computer science while emphasizing their relevance in society. Topics include general computational problem-solving techniques, design of digital devices, how computers work, and how to design, implement, test, and document programs in both an interactive and a high-level programming language (Python). This course is highly recommended for students prior to taking a beginning programming class (CS 111, CS 150, CS 130, CS 138, or CS 155), non-computer science majors, or those interested in exploring computer science.

CS 111: Introduction to Computer Science I: Java

Units: 3

Prerequisites: None

Advisory: MATH 64 or and CS 101 MATH 64S

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces object-oriented programming and concepts designed primarily for students majoring in computer science and engineering who have some programming fundamentals. The course uses topics of personal and social relevance to investigate the impacts of computing through exploring language basics, including control structures, data types, input/output, operators, classes, methods and parameters, basic inheritance, and documentation practices as well as testing and verification techniques. UC CREDIT LIMITATION: No credit for CS 111 if taken after CS 112. C-ID ITIS-130.

CS 112: Introduction to Computer Science II: Java

Units: 3

Prerequisites: CS 111.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course uses topics of personal and social relevance to investigate the impacts of computing through exploring advanced object-oriented programming concepts such as abstraction, inheritance, polymorphism, and encapsulation. Topics include recursion, generics, event-driven programming, graphical user interfaces, file input and output, and exception handling.

CS 113: Basic Data Structures and Algorithms

Units: 3

Prerequisites: CS 112.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

The course uses topics of personal and social relevance to investigate the impact of computing through efficient algorithms and properly designed data structures. Students explore the software development process by developing effective solutions using industry-standard tools. Topics include searching, sorting, hashing, algorithm analysis, object-oriented design, collections, lists, stacks, queues, trees, sets, dictionaries, and graphs. C-ID COMP-132.

CS 130: Fundamentals of Scripting Languages

Units: 3

Prerequisites: None

Advisory: CS 101.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course introduces students to scripting language(s) and webpage programming. Students develop, debug, implement, and integrate client-side scripts using automated tasking. Comparisons may be made among common scripting languages, such as JavaScript, PHP, Perl, and CGI.

CS 134: Mobile Application Development

Units: 3

Prerequisites: CS 112.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course covers how to develop applications for smartphones and tablets with the Android open-source platform. Topics include the Model-View-Controller architecture, designing and handling user input, defining activity layouts, application events, displaying images, managing navigation, and core device features, such as GPS, the Google Maps API, accelerometers, and touch gestures. Students leverage and expand their Java programming knowledge to build mobile applications from start to finish.

CS 138: Programming with Python

Units: 3

Prerequisites: None

Advisory: CS 101.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces the Python programming language and its features. Python, a dynamic, object-oriented, extensible language, is perfect for the beginner and also meets industry needs. Python is well-suited for applications ranging from simple data manipulation to large, complex applications.

CS 150: C++ Programming

Units: 3

Prerequisites: None

Advisory: MATH 64 or and CS 101 MATH 64S

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

Using an object-oriented approach to design and programming in the C++ language, this course covers data input/output, data types, control structures, operators, functions, and the operating environment. Upon successful completion of the course, students are able to construct moderately complex programs in C++. C-ID COMP-122.

CS 151: Advanced C++ Programming

Units: 3

Prerequisites: CS 150.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

In this advanced programming course, students design and implement increasingly complex C++ programs that build upon skills acquired in C++ Programming (CS 150). Students also develop appropriate and efficient methods to test their programs. Topics include polymorphism, inheritance, class libraries, the standard template library, pointers, advanced file input/output operations, recursion, virtual functions, exception handling, dynamic memory management, bitwise operators, and data structures, such as linked lists, stacks, queues, and binary trees.

CS 155: C# and the .NET Framework

Units: 3

Prerequisites: None

Advisory: CS 101.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course provides an introduction to the C# ("C Sharp") programming language and the .NET framework. The C# language encompasses functional, generic, object-oriented, and component-oriented programming disciplines. The .NET framework provides the foundation of language interoperability for the Microsoft Windows operating system. C# is designed for modern software development and provides the tools to build applications quickly.

CS 210: Software Engineering

Units: 3

Prerequisites: CS 112.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to team-based software development and engineering methods, including specification, design, implementation, testing, and process. It emphasizes team development, agile methods, software design, and use of software engineering tools, such as integrated development environments, version control, automated test framework, build automation, and software containers. As a culminating project, each team produces three deliverables: a Software Requirements Specification document, a Software Design Specification document, and an executable application satisfying stakeholder requirements.

CS 220: Computer Architecture and Assembly Language

Units: 3

Prerequisites: CS 112.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces the fundamental physical and structural concepts of assembly language programming. Topics include machine architecture, memory addressing, input/output, interrupts, control structures, compiling, and linking. C-ID COMP-142.

CS 226: Discrete Structures

Units: 4

Prerequisites: CS 150 and MATH 126 or eligibility determined by the math placement process.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

Designed for students majoring in computer science, this course introduces discrete mathematics, including logic, methods of proof, number theory, sets, counting, relations, recursion, recurrence relations, Boolean algebra, graphs, trees, and networks. Topics are illustrated with applications to computer science, including design and analysis of algorithms, undecidability, program correctness, and digital logic design. C-ID COMP-152.

CS 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

CS 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Computer Studies & Information Technology

The Computer Studies & Information Technology (CSIT)

Department serves students with computer-related courses in basic skills, transfer, and career education.

Composed of curriculum focused in the areas of computing fundamentals, computer applications, information technology, and networking, CSIT provides students with theoretical and hands-on experience in using the power of computing to critically evaluate and solve business, network, and security problems. In addition, the department offers several general

Areas of Study & Courses

education courses covering social and ethical issues related to technology.

Career options available through certificate attainment, transfer, or bachelor's degree achievement include business office worker, business productivity software professional, Internet and e-commerce specialist, information technology analyst, management information systems analyst, computer desktop support and tech support technician, systems administrator, and cybersecurity professional. Certain courses provide preparatory training for various professional industry certifications, including Business Information Worker (BIW) Pathway I, II, and Specialist Levels, Microsoft Office Specialist (Expert Levels for Word, Excel, Access, PowerPoint), IC3, Microsoft Desktop Support Technician, Windows, CompTIA A+, Network+, Security+, Cyber Security Analyst+ (CySA+), PenTest+/EC Council Certified Ethical Hacker (CEH), and Linux Professional/Red Hat Certified System Administrator (RHCSA).

Academic and Career Pathway: Business and Technology

Contact Information

Chair: Steve Isachsen

Dean: Al Taccone

<https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/computer-studies-and-information-technology/index.html>

Department: Computer Studies and Information Technology

Office: Building OC4800, 760.795.6811

Full-Time Faculty

Steve Isachsen
Rick White

Associate Degrees

Associate in Science Degrees

Business and Information Worker (BIW)

Business Productivity Software Applications

Cybersecurity

Information Technology

Internet and E-Commerce

Management Information Systems (MIS)

Systems Administration

Tech Support

Students may earn one of the above-named associate degrees by completing its respective certificate of achievement requirements and the general education courses required for MiraCosta College's Associate in Science degree (see Associate Degrees (p. 67)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Certificates

Certificate of Achievement

Business Information Worker (BIW)

This certificate prepares individuals with business information related skills and techniques for entry-level jobs. Depending on which elective is chosen, certificate completion may help

prepare individuals for the Microsoft Office Specialist (MOS) Word, Excel, Access, PowerPoint, QuickBooks Certified User (QBCU), and Certified Associate in Project Management (CAPM) professional certification exams as well as the Business Information Worker (BIW) Pathway I, II, and Specialist Levels.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to demonstrate business information related skills and techniques required of a business information worker.

Required courses:

CSIT 101	Introduction to Computers	3
or CSIT 110	Computer Applications	
or CSIT 120	Fundamentals of Computer Information Systems	
CSIT 125	Microsoft Word for Business	3
CSIT 128	Microsoft Excel for Business	3
CSIT 149	Microsoft Windows	3
BUS 136	Human Relations in Business	3
or BUS 290	Business Communication	
or BUS 290H	Business Communication (Honors)	
CSIT 195	IT Career Exploration and Portfolio Development	1
or CSIT 286	Professional Certification Preparation	
or CSIT 292	Internship Studies	
or CSIT 299	Occupational Cooperative Work Experience	
Select at least 3 elective units from the following courses:		3
CSIT 131	Microsoft Access for Business	
CSIT 134	Microsoft PowerPoint for Business	
ACCT 148	Computer Accounting	
BUS 133	Project Management	
Total Units		19

Certificate of Achievement

Business Productivity Software Applications

Individuals completing this certificate are prepared for the professional-level use of computers and business productivity software applications. Learning to use, integrate, and collaborate effectively with these powerful tools is essential for job preparation or advancing in current jobs in today's technology-rich workplaces. Specific areas of emphasis include word processing, spreadsheets, database management, electronic presentations, digital imaging, Microsoft Windows, and Internet cloud-based applications. Depending on which electives are chosen, certificate completion may help individuals prepare for the Microsoft Office Specialist (MOS) Word, Excel, Access, PowerPoint, Certified Associate in Project Management (CAPM), and Adobe Certified Associate (ACA) Photoshop, Illustrator, and InDesign professional certification exams.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to successfully use, integrate, and collaborate with a range of

business productivity software applications to solve business problems.

Required courses:

CSIT 125	Microsoft Word for Business	3
CSIT 128	Microsoft Excel for Business	3
CSIT 131	Microsoft Access for Business	3
CSIT 134	Microsoft PowerPoint for Business	3
CSIT 137	Google Apps for Business	3
CSIT 149	Microsoft Windows	3
CSIT 195	IT Career Exploration and Portfolio Development	1
or CSIT 286	Professional Certification Preparation	
or CSIT 292	Internship Studies	
or CSIT 299	Occupational Cooperative Work Experience	

Select at least 9 elective units from the following courses: 9

CSIT 101	Introduction to Computers	
CSIT 110	Computer Applications	
CSIT 155	Social Media for Business	
BUS 120	Introduction to Business	
or BUS 120H	Introduction to Business (Honors)	
BUS 133	Project Management	
BUS 290	Business Communication	
or BUS 290H	Business Communication (Honors)	
MAT 110	Digital Imaging 1: Adobe Photoshop	
MAT 125	Web Design 1: Fundamentals	
MAT 170	Digital Illustration 1: Adobe Illustrator	
MAT 180	Digital Publishing: Adobe InDesign	

Total Units 28

Certificate of Achievement

Cybersecurity

This certificate is designed to meet the demand for cybersecurity professionals. Certificate completion results in mastery of fundamentals of computer hardware and software, networks, and security, ethical hacking, cyber analytics, and legal issues surrounding cybersecurity. Career and employment opportunities in cybersecurity include cybersecurity analyst, ethical hacker, forensics, cyber related law enforcement, and cyber technical support specialist roles. Certificate completion may help prepare individuals for Windows, CompTIA A+, Network+, Security+, Cybersecurity Analyst+ (CySA+), PenTest +/EC Council Certified Ethical Hacker (CEH), and Linux Professional/Red Hat Certified System Administrator (RHCSA) professional certification exams, and other cyber-related certifications.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to demonstrate cybersecurity related skills and techniques required of a cybersecurity worker.

Required courses:

ADM 100	Introduction to the Administration of Justice	3

or ADM 100H	Introduction to the Administration of Justice (Honors)	
or CSIT 120	Fundamentals of Computer Information Systems	
CSIT 180	Fundamentals of Computer Hardware and Software	4
CSIT 181	Fundamentals of Computer Networking	3
or CSIT 191	Fundamentals of Cisco Networking	
CSIT 182	Fundamentals of Computer Security	3
CSIT 183	Windows Server	3
CSIT 184	Linux Server	3
CSIT 186	Cybersecurity: Analyst	3
CSIT 188	Cybersecurity: Ethical Hacker	3
CSIT 195	IT Career Exploration and Portfolio Development	1
or CSIT 286	Professional Certification Preparation	
or CSIT 292	Internship Studies	
or CSIT 299	Occupational Cooperative Work Experience	

Total Units 26

Certificate of Achievement

Information Technology

Individuals completing this certificate gain a broad foundation in information technology (IT) theory and skills. Mastery of IT fundamentals across each of the Computer Studies Department's major areas of focus, such as business productivity software applications, data analytics, hardware, and networking, is emphasized. Completing additional coursework (consult a counselor) may result in a transfer pathway to a four-year degree in computer information technology or a variety of related majors. Depending on which courses are chosen, certificate completion may help individuals prepare for the Microsoft Office Specialist (MOS) Word, Excel, Access, PowerPoint, CompTIA A+, and Network+ professional certification exams.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to successfully articulate and demonstrate a wide range of fundamental information technology theory and skills.

Required courses:

CS 101	Introduction to Computer Science Principles	3
CSIT 101	Introduction to Computers	3
or CSIT 110	Computer Applications	
CSIT 120	Fundamentals of Computer Information Systems	3
CSIT 123	Introduction to Data Analytics	3
CSIT 125	Microsoft Word for Business	3
or CSIT 128	Microsoft Excel for Business	
or CSIT 131	Microsoft Access for Business	
or CSIT 134	Microsoft PowerPoint for Business	
or CSIT 137	Google Apps for Business	
or CSIT 149	Microsoft Windows	

CSIT 146 or CSIT 155	E-Commerce and Web Presence Social Media for Business	3
CSIT 160 or CSIT 165	Technology, the Individual, and Society Living in an Online World	3
CSIT 180 or CSIT 181 or CSIT 191	Fundamentals of Computer Hardware and Software Fundamentals of Computer Networking Fundamentals of Cisco Networking	3-4
CSIT 195 or CSIT 286 or CSIT 292 or CSIT 299	IT Career Exploration and Portfolio Development Professional Certification Preparation Internship Studies Occupational Cooperative Work Experience	1
Total Units		25-26

Certificate of Achievement

Internet and E-Commerce

Individuals completing this certificate enhance their ability to explore, start, or advance their careers conducting business on the Internet. The certificate emphasizes mastery of the technical aspects of e-commerce as well as setup and design considerations. Individuals are advised to complete CSIT 146 prior to selecting electives. Depending on which electives are chosen, certificate completion may help individuals prepare for the CompTIA A+ and Certified Associate in Project Management (CAPM) professional certification exams.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to successfully perform the tasks associated with analysis, creation, evaluation, and maintenance of conducting business and e-commerce on the Internet.

Required courses:		
CSIT 120	Fundamentals of Computer Information Systems	3
CSIT 146	E-Commerce and Web Presence	3
CSIT 155	Social Media for Business	3
MAT 125	Web Design 1: Fundamentals	3
MAT 165	Web Design 2: Tools and Techniques	3
CSIT 195 or CSIT 286 or CSIT 292 or CSIT 299	IT Career Exploration and Portfolio Development Professional Certification Preparation Internship Studies Occupational Cooperative Work Experience	1
Select two courses below:		6-7
CSIT 123	Introduction to Data Analytics	
CSIT 180	Fundamentals of Computer Hardware and Software	
BUS 130	Entrepreneurship and Small Business Management	
BUS 132	Marketing	
BUS 133	Project Management	
MAT 225	Web Design: PHP and WordPress	

MAT 235	Web Design 3: UX and UI Design and Production	
Total Units		22-23

Certificate of Achievement

Management Information Systems (MIS)

Completion of this certificate prepares individuals for careers in the management of information systems. Individuals master how to plan, coordinate, and direct computer-related activities to determine and implement the information technology goals of an organization. Completing additional coursework (consult a counselor) may result in a transfer pathway to a four-year degree in management information systems or a variety of related majors. Depending on which electives are chosen, certificate completion may help individuals prepare for the CompTIA A+ and Network+ professional certification exams.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to demonstrate management of information systems related skills and techniques required of a management information systems worker.

Required courses:		
ACCT 201 or ACCT 201H	Financial Accounting Financial Accounting (Honors)	4
ACCT 202 or ACCT 202H	Managerial Accounting Managerial Accounting (Honors)	4
BUS 140 or BUS 140H	Legal Environment of Business Legal Environment of Business (Honors)	3
BUS 290 or BUS 290H	Business Communication Business Communication (Honors)	3
CSIT 120	Fundamentals of Computer Information Systems	3
CSIT 123	Introduction to Data Analytics	3
ECON 101	Principles of Economics: MACRO	3
ECON 102	Principles of Economics: MICRO	3
CSIT 195 or CSIT 286 or CSIT 292 or CSIT 299	IT Career Exploration and Portfolio Development Professional Certification Preparation Internship Studies Occupational Cooperative Work Experience	1
Select courses from below for a minimum of 3 units:		3-4
CS 101	Introduction to Computer Science Principles	
CSIT 160	Technology, the Individual, and Society	
CSIT 165	Living in an Online World	
CSIT 180	Fundamentals of Computer Hardware and Software	
CSIT 181	Fundamentals of Computer Networking	
CSIT 191	Fundamentals of Cisco Networking	
Total Units		30-31

Certificate of Achievement

Systems Administration

This certificate prepares individuals for careers and employment in computer networking, network administration, enterprise networking, and Internet or intranet administration. Individuals will be prepared for successful employment in networking related occupations such as network technician, systems administrator, field support technician, customer technical support representative, and technical support specialist roles. Certificate completion may help prepare individuals for the CompTIA A+, Network+, and Security+, Windows, and Linux professional certification exams.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to demonstrate systems administration related skills and techniques required of a systems administrator.

Required courses:		
CSIT 120	Fundamentals of Computer Information Systems	3
CSIT 180	Fundamentals of Computer Hardware and Software	4
CSIT 181	Fundamentals of Computer Networking	3
or CSIT 191	Fundamentals of Cisco Networking	
CSIT 182	Fundamentals of Computer Security	3
CSIT 183	Windows Server	3
CSIT 184	Linux Server	3
CSIT 195	IT Career Exploration and Portfolio Development	1
or CSIT 286	Professional Certification Preparation	
or CSIT 292	Internship Studies	
or CSIT 299	Occupational Cooperative Work Experience	
Total Units		20

Certificate of Achievement

Tech Support

Completing this certificate prepares individuals for employment and careers as computer desktop support specialists in a business environment. Individuals master skills in software and applications support, operating systems, local area networks, desktop support, and customer service while also being able to answer, or escalate, calls and inquiries from end users. Related jobs include help desk technician, customer support representative, computer support specialist, and technical support representative. Certificate completion may help prepare individuals for the Microsoft Certified Desktop Support Technician (MCDST) and CompTIA A+, Network+, and Security+ professional certification exams.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to demonstrate technical support related skills and techniques required of a tech support worker.

Required courses:		
CSIT 110	Computer Applications	3

CSIT 149	Microsoft Windows	3
CSIT 180	Fundamentals of Computer Hardware and Software	4
CSIT 181	Fundamentals of Computer Networking	3
or CSIT 191	Fundamentals of Cisco Networking	
CSIT 182	Fundamentals of Computer Security	3
CSIT 195	IT Career Exploration and Portfolio Development	1
or CSIT 286	Professional Certification Preparation	
or CSIT 292	Internship Studies	
or CSIT 299	Occupational Cooperative Work Experience	
BUS 136	Human Relations in Business	3
or BUS 290	Business Communication	
or BUS 290H	Business Communication (Honors)	
Select at least 3 elective units from the following courses:		3
CSIT 137	Google Apps for Business	
CSIT 146	E-Commerce and Web Presence	
CSIT 155	Social Media for Business	
CS 101	Introduction to Computer Science Principles	
CS 111	Introduction to Computer Science I: Java	
BUS 290	Business Communication *	
or BUS 290H	Business Communication (Honors)	
Total Units		23

*BUS 290/BUS 290H may be taken as an elective for Tech Support if not taken as part of the requirement.

Certificate of Proficiency

Business Productivity Software Applications Essentials

This certificate offers individuals the opportunity to master basic business productivity software applications skills and techniques necessary for successful careers and employment in jobs in any industry. Coursework offers a foundation for working with applications necessary to perform essential baseline computer job functions proficiently. Depending on which electives are chosen, certificate completion may help individuals prepare for the Microsoft Office Specialist (MOS) Word, Excel, Access, and PowerPoint professional certification exams.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to successfully demonstrate basic business productivity software skills and techniques.

Required courses:		
CSIT 110	Computer Applications	3
Select at least 6 elective units from the following courses:		6
CSIT 101	Introduction to Computers	
CSIT 125	Microsoft Word for Business	
CSIT 128	Microsoft Excel for Business	
CSIT 131	Microsoft Access for Business	
CSIT 134	Microsoft PowerPoint for Business	
CSIT 137	Google Apps for Business	

Total Units **9**

Certificate of Proficiency

Certiport IC3 Digital Literacy

This certificate offers individuals and job seekers the foundation of knowledge, skills, and abilities necessary to be successful in a wide variety of careers that involve computers and the Internet. Core competencies include computing fundamentals, working in an Internet or networked environment, word processing, spreadsheet, and presentation applications skills and techniques. Certificate completion may help prepare individuals for the IC3 Digital Literacy Certification, with competencies covered mapping to the IC3 Global Standard 4, 5, Fast Track, and Spark professional certification exams.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to successfully demonstrate core computer competencies.

Required courses:		
CSIT 101	Introduction to Computers	3
CSIT 110	Computer Applications	3
CSIT 165	Living in an Online World	3
Total Units		9

Certificate of Proficiency

Certiport Microsoft Office

Completion of this certificate enhances employability in business settings where the use of Microsoft Office business productivity software applications are a vital job function. Each course in this certificate offers a comprehensive overview (core through expert level skills and techniques), starting with fundamentals and finishing with advanced features. In addition, certificate completion may help prepare individuals for the Microsoft Office Specialist (MOS) Word, Excel, Access, PowerPoint, and Microsoft Office Master professional certification exams.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to successfully demonstrate Microsoft Office software skills and techniques.

Required courses:		
CSIT 125	Microsoft Word for Business	3
CSIT 128	Microsoft Excel for Business	3
CSIT 131	Microsoft Access for Business	3
CSIT 134	Microsoft PowerPoint for Business	3
Total Units		12

Certificate of Proficiency

CompTIA IT Core Essentials

This certificate offers individuals the opportunity to master skills and abilities necessary to meet the demand for CompTIA entry level professional certifications. Certificate completers are prepared in fundamentals of computer hardware and software, networks, and security while obtaining foundational skills necessary to be successful in information communications

essential to successful careers in retail sales of computers, handheld devices, networking services or cell phones, Help Desk, and User Support. Certificate completion helps prepare individuals for CompTIA A+, Network+, and Security+ certification exams.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to demonstrate mastery of skills and abilities necessary for CompTIA entry level professional certifications.

Required courses:		
CSIT 180	Fundamentals of Computer Hardware and Software	4
CSIT 181	Fundamentals of Computer Networking	3
CSIT 182	Fundamentals of Computer Security	3
Total Units		10

Certificate of Proficiency

Emerging Technologies

This certificate offers individuals the opportunity to explore emerging technologies in information technology and is meant to enhance current or future employment and career opportunities. The courses emphasize the rapidly changing landscape of computers, information, and technology and understanding how trends in these areas may impact current and future society, business, and industry. Depending on which courses are chosen, certificate completion may help individuals prepare for CompTIA A+ professional certification exam.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to successfully demonstrate how emerging technologies in information technology impact current and future business and industry.

Required courses:		
CSIT 123	Introduction to Data Analytics	3
or CSIT 137	Google Apps for Business	
CSIT 155	Social Media for Business	3-4
or CSIT 180	Fundamentals of Computer Hardware and Software	
CSIT 160	Technology, the Individual, and Society	3
or CSIT 165	Living in an Online World	
Total Units		9-10

Courses

CSIT 101: Introduction to Computers

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course is intended for students wishing to develop or strengthen their basic computer skills. Topics include basic computer techniques and literacy in computer concepts, Windows, working with files and folders, word processing, spreadsheets, browsing and searching the web, safe and ethical computer and Internet practices, email, computer maintenance, security, purchasing a computer, and academic online course management systems, such as Canvas.

CSIT 110: Computer Applications

Units: 3

Prerequisites: None

Advisory: CSIT 101.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course provides an in-depth, hands-on introduction to computer applications and fundamentals. Topics include computer concepts, the operating system, and word processing, spreadsheet, presentation, database, and Web browser applications. The course emphasizes applied computer applications skills and techniques, computer concepts and ethical considerations, and the use of computer applications as integrated tools to perform professional-level analyses. UC CREDIT LIMITATION: Credit for CSIT 110 or CSIT 120.

CSIT 120: Fundamentals of Computer Information Systems

Units: 3

Prerequisites: None

Advisory: CSIT 110.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers the concepts of information systems in business, including the integration of information systems, organizational strategy, systems analysis, data storage, data processing, security, cloud computing, and communications. The course applies information system concepts by developing solutions to business problems using financial analysis and database management tools, such as Microsoft Excel and Access. UC CREDIT LIMITATION: Credit for CSIT 110 or CSIT 120. C-ID ITIS-120 and BUS-140.

CSIT 123: Introduction to Data Analytics

Units: 3

Prerequisites: MATH 28, MATH 30, or eligibility determined by the math placement process.

Advisory: CSIT 110, CSIT 120, or CSIT 128.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the field of data analytics and focuses on the application of quantitative reasoning skills to derive actionable information from various data sources to solve complex business and social problems. Students mine big data using data inference techniques formulated through the use of qualitative analysis and statistical applications. The course emphasizes visual analysis tools, such as the use of graphs, charts, and computerized spreadsheets. Students gain an understanding of the widespread use of data analytics and how this sophisticated technique that combines mathematical principles and technology affects their everyday lives.

CSIT 125: Microsoft Word for Business

Units: 3

Prerequisites: None

Advisory: CSIT 101.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

Students learn how to use Microsoft Word, the industry-standard tool for word processing in business environments. This comprehensive course includes fundamentals, such as document design, section breaks, table of contents, graphics, columns, citations, and tables, as well as more advanced features, such as document collaboration, workgroup tools, template customization, mail merge, macros, object linking, forms, security, and Web enabling. This course helps prepare students for the Microsoft Certification Exam.

CSIT 128: Microsoft Excel for Business

Units: 3

Prerequisites: None

Advisory: CSIT 101.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

Students learn how to use Microsoft Excel, the industry standard tool for spreadsheet and chart creation in a business environment. This comprehensive course includes fundamentals, such as workbook and worksheet design, formulas, functions, and charts, as well as more advanced features, such as pivot tables, what-if analysis, three-dimensional worksheets, goal seek, and collaboration tools. This course helps prepare students for the Microsoft Certification Exam.

CSIT 131: Microsoft Access for Business

Units: 3

Prerequisites: None

Advisory: CSIT 101.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

Students learn how to use Microsoft Access, the industry standard tool for database creation in a business environment. This comprehensive course includes fundamentals, such as relational database design theory, tables, queries, reports, and forms, as well as more advanced features, such as complex validation rules, action queries, report controls, form automation, database customization, and data integration tools. This course helps prepare students for the Microsoft Certification Exam.

CSIT 134: Microsoft PowerPoint for Business

Units: 3

Prerequisites: None

Advisory: CSIT 101.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

Students learn how to use Microsoft PowerPoint, the industry standard tool for creating electronic presentations in business environments. This comprehensive course includes fundamentals, such as electronic presentation design and delivery concepts, slide layout, graphics, diagrams, charts, and sound, as well as more advanced features, such as complex animation, transitions, action buttons, video, custom backgrounds, and collaboration tools. This course helps prepare students for the Microsoft Certification Exam.

CSIT 137: Google Apps for Business

Units: 3

Prerequisites: None

Advisory: CSIT 101.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

In this course, students learn how to use Google Apps, a collection of free Web-based productivity tools, in a business environment. Topics include Google Search, Gmail, Google Calendar, Google Docs, Google Sheets, Google Slides, Google Sites, and emerging trends in Google Apps. Students use the Internet to access their files and tools to manipulate and collaborate with the instructor and classmates.

CSIT 146: E-Commerce and Web Presence

Units: 3

Prerequisites: None

Advisory: CSIT 101.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course teaches the principles and technologies involved in e-commerce and creating a Web presence for a small or medium-sized business (SMB). It addresses the needs of both online and traditional brick and mortar businesses and provides students with a basic working knowledge of how to sell products and services on the Web. It covers aspects of business and marketing planning, a survey of Web technologies, such as HTML, XHTML, HTML5 and CSS, use of digital media, building an online store, e-commerce security, electronic payment systems, international and legal issues, Search Engine Optimization (SEO), and current marketing trends. Students create a starter e-business Web site or improve an existing site that can be used for their business or to help them get a job in the field.

CSIT 149: Microsoft Windows

Units: 3

Prerequisites: None

Advisory: CSIT 101.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the current Microsoft Windows operating system. Students learn how to install the operating system, create and manage user accounts, view system components and properties, install applications, switch between different application windows, manage files and folders, and customize the Windows environment. The course also covers networking, file and folder sharing, computer security, malware, and safe Internet use.

CSIT 155: Social Media for Business

Units: 3

Prerequisites: None

Advisory: CSIT 101.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course explores social media use from a business perspective. Students learn how to develop a social media strategy to promote business, build stronger customer relations, target a broad base or niche audience, and develop effective marketing and advertising techniques that enhance Web presence and coordinate a common message across multiple channels. Students explore historical development as well as emerging trends in Web applications and services that facilitate creativity, collaboration, and information sharing among users and business.

CSIT 160: Technology, the Individual, and Society

Units: 3

Prerequisites: None

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course critically examines the interrelationships among technology, the individual, and society. Students investigate the historical, political, and economic factors that influence the growth and development of technology and assess how individuals and society respond to the challenges and consequences of the technology revolution. Appropriate for both technical and non-technical majors, the course explores principles, methodologies, and value systems from a technology and social science interdisciplinary perspective. UC CREDIT LIMITATION: Credit for CSIT 160 or CSIT 165.

CSIT 165: Living in an Online World

Units: 3

Prerequisites: None

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course considers human behavior in relation to the challenges and opportunities presented by an increasingly online society. It places special emphasis on critically evaluating and managing one's online presence within this environment in a healthy way throughout various life stages. Appropriate for both technical and non-technical majors, this course explores the psychological, sociological, and physiological consequences for individuals and societies that result from the global use of the Internet in everyday life. UC CREDIT LIMITATION: Credit for CSIT 160 or CSIT 165.

CSIT 180: Fundamentals of Computer Hardware and Software

Units: 4

Prerequisites: None

Advisory: CSIT 110.

Acceptable for Credit: CSU

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall or Spring

This course provides students with fundamental knowledge covering PC hardware and peripherals, mobile device hardware, networking and troubleshooting hardware, network connectivity issues, installing and configuring operating systems, including Windows and Linux, Mac OS X, iOS, and Android operating system configurations, security, fundamentals of cloud computing, and operational procedures. This course helps prepare students for CompTIA A+ certification examinations. C-ID ITIS-110.

CSIT 181: Fundamentals of Computer Networking

Units: 3

Prerequisites: None

Advisory: CSIT 180.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course presents an overview and introduction to computer networking components, network design, operations, management, protocols, and network operating systems. Students learn the layered functions of the Transmission Control Protocol (TCP)/Internet Protocol (IP) stack and how they relate to Internet architecture. Topics include TCP/IP addressing, subnetting, host and domain name resolution, routing considerations, and practical management of TCP/IP protocols and services. These concepts are applied in hands-on labs leveraging network servers, firewalls, clients, the Internet, virtualization, and networked applications. This course helps prepare students for the CompTIA Network+ certification exam. C-ID ITIS-150.

CSIT 182: Fundamentals of Computer Security

Units: 3

Prerequisites: None

Advisory: CSIT 181.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course presents an overview and introduction to essential principles for network security and risk management. Students learn the core foundations of network security: confidentiality, integrity, and availability. Topics include threats, operating system hardening, security in context of applications, network, network perimeter, and physical spaces, access control methods, encryption, monitoring and auditing, and redundancy/disaster recovery. These concepts are applied in hands-on labs leveraging network servers, firewalls, clients, the Internet, virtualization, and networked applications. This course helps prepare students for the CompTIA Security+ certification exam. C-ID ITIS-160.

CSIT 183: Windows Server

Units: 3

Prerequisites: None

Advisory: CSIT 180.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course provides students with an understanding of Microsoft Windows Server. It focuses on administrative tasks including routine and troubleshooting scenarios, such as data and system recovery, operating-system selection, installation, and configuration, active directory design and implementation, user management, group policy and organizational units, virtualization, remote access, network services, especially domain name system (DNS), and system security, monitoring, and optimization. Students develop skills and apply their knowledge through hands-on projects and case-study assignments. This course helps prepare students for network server certification exams, such as CompTIA Server+ and Microsoft Windows Installing and Configuring Windows Server and Administering Windows Server. C-ID ITIS-155.

CSIT 184: Linux Server

Units: 3

Prerequisites: None

Advisory: CSIT 180.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course provides students with an understanding of Linux operating systems with an emphasis on Linux Server operating systems. It focuses on the installation, configuration, management, and troubleshooting of Linux operating systems. Topics covered include administration of Linux systems, application servers, such as web, mail, ftp, and file/print servers, basic scripting, interworking services, such as TCP/IP and secure shell, as well as file sharing in hybrid environments using SAMBA with Windows, system performance and tuning, system security, package installation and removal, logging, scheduling, and Linux tools. This course helps prepare students for network server administration certification exams, such as CompTIA Server+ and Linux+ and Linux Professional Institute Certification Level 1 (LPIC-1) exams. C-ID ITIS-155.

CSIT 186: Cybersecurity: Analyst

Units: 3

Prerequisites: None

Advisory: CSIT 182

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course applies the principles and technologies to prevent, detect, combat, and recover from cybersecurity threats including behavior analytics to improve and harden the overall state and posture of an IT Security environment. Building upon their knowledge of networks and cybersecurity, students are exposed to threat management, vulnerability management, cyber incident response, and security architectures. The tools and techniques used in this course are approached from a vendor-neutral perspective, as these are open source tools commonly found on the Internet used by attackers. This course helps prepare students for the CompTIA Cybersecurity Analyst+ (CySA+) certification exam.

CSIT 188: Cybersecurity: Ethical Hacker

Units: 3

Prerequisites: None

Advisory: CSIT 182

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course teaches the principles and technologies involved with looking for weaknesses and vulnerabilities in target systems from a network security perspective including the five phases of penetration testing. Students are exposed to the same knowledge and tools as a malicious hacker and learn how to assess the security posture of target systems in a lawful and legitimate manner building upon their knowledge of networks and security. The tools and techniques used in this course are approached from a vendor-neutral perspective many times using open source tools commonly found on the Internet. This course helps prepare students for the CompTIA PenTest+ certification exam and other cybersecurity related exams. C-ID ITIS-164.

CSIT 191: Fundamentals of Cisco Networking

Units: 3

Prerequisites: None

Advisory: CSIT 180

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides an overview and introduction to Cisco networking components (routers and switches), network design, operations, management, protocols, and Cisco's Internetwork Operating System (IOS). Students learn how to cable and connect routers and switches and then use IOS to configure and manage the equipment. Topics include TCP/IP addressing, subnetting, packet routing, troubleshooting, and practical management of TCP/IP protocols and services as it pertains to Cisco networking equipment. These concepts are applied in hands on and virtualized labs and Cisco Packet Tracer simulation software. This course helps prepare students for the Cisco Certified Network Associate (CCNA) and CompTIA Network+ certification exams.

CSIT 195: IT Career Exploration and Portfolio Development

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Spring

This course teaches students how to create a portfolio to professionally display their best work and to increase job opportunities. Topics include defining an audience, organizing and adapting a body of work, and formatting and creating a finished portfolio designed to reflect the student's vision and highlight the quality of his or her accomplishments. The course also explores effective career studies and services.

Note: Students should complete most courses within their chosen Computer Studies certificate program before enrolling in CSIT 195.

CSIT 286: Professional Certification Preparation

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Fall or Spring

Attaining a professional certification can help employers further validate a student's MiraCosta degree, certificate, or course work. This course provides an overview of industry-based third-party professional certifications, credentials, and licenses specific to a student's discipline of study. Topics include goal setting, a survey of professional certifications relevant to the discipline, industry trends and certification value assessment, exam preparation and exam strategies, practice exams, resolving any skill deficiencies, and life-long learning. Under the instruction of a faculty-mentor, students reflect on their prior course work and career aspirations to produce and execute a plan that outlines the necessary steps to attain the professional certification of their choice. Although students are encouraged to do so, signing up for and/or passing a certification exam is not required to pass the course.

CSIT 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

CSIT 296: Topics in Computer Studies and Information Technology

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Computer Studies and Information Technology that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

CSIT 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Counseling

The Counseling Department offers courses that help students develop the skills they need to succeed in college and make effective career and life choices. The department also offers Special Topics courses related to various areas of academic, career, and personal development.

Contact Information

Chairs: Adrean Askerneese,
Don Love
Dean: Wendy Stewart
www.miracosta.edu/COUN

Department: Counseling
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Full-Time Faculty

Adrean Askerneese	Luke Lara
Yesenia Balcazar	Sinar Lomeli
Veronica Bloss	Don Love
Larry Burns	Rebecca Morgan
Laney Collins	Donny Munshower
Arti Dua	Candelaria Owens
Karina Duarte	Kris Peck
Michelle Farnam	Oswaldo Ramirez
Lise Flocken	Jed Schlueter
Hilda Gomez-Zinn	Ariana Solis
Jorge Guerrero	Krystle Taylor
Laura Hayek	Cynthia Vasquez Gonzales
Jeff Higginbotham	Kristi Wish
Wendy Horton	Afifa Zaman
Ticey Hosley	Magdalena Zepeda

Courses

COUN 100: College and Career Success

Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course teaches success strategies to enhance academic and lifelong learning while integrating career and academic planning. The course evaluates theories and strategies of college success, including time management, study skills, health and wellness, diversity and global awareness, communication, and critical thinking. Students analyze career-related assessments, research careers and majors, and develop an academic plan. Recommended for first-time and returning students or those undecided on a major or goal. UC CREDIT LIMITATION: Credit for COUN 100, COUN 105, or INTR 100.

COUN 101: Orientation to College

Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1 hour.
Course Typically Offered: Fall, Spring, and Summer

This course prepares new and returning students to develop the knowledge, skills, attitudes, and behaviors necessary for academic and personal success during a student's first semester in college. Topics include college expectations, the function of higher education, study skills, campus resources and policies, and personal development skills.

COUN 105: Transfer Success

Units: 1
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 1 hour.
Course Typically Offered: Fall, Spring

This course promotes academic success by providing students with information that will clarify the transfer process, identify support services on campus, and assist them in developing a comprehensive transfer plan. Topics include a review of higher education options, the process for determining a major, applications and admissions timelines, and criteria for establishing educational goals. UC CREDIT LIMITATION: Credit for COUN 100, COUN 105, or INTR 100.

COUN 292: Internship Studies

Units: 0.5-3
Prerequisites: None
Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.
Acceptable for Credit: CSU
Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

COUN 296: Topics in Counseling

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Counseling that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Dance

The mission of the MiraCosta Dance Department is to create artistic and academic excellence by engaging students in a diversity of dance techniques, choreography, performance, and scholarly practices. The department fosters student engagement through creative and critical thinking and values artistic exploration that enriches the individual, classroom, and community.

Students take dance courses for the Dance major, to fulfill general education requirements, and for personal and professional enrichment. The department offers performance opportunities to both majors and non-majors. Examples of career options include professional performer, choreographer, dance studio owner, arts administrator, college/university dance instructor, dance physical therapist, dance researcher, dance ethnologist/historian, dance critic, dance scientist, athletic trainer, sales/marketing representative, special events coordinator, and arts lawyer. Note: Some of the careers listed require further education.

Academic and Career Pathway: Creative and Applied Arts

Contact Information

Chair: Trisha Hanada-Rogers

Dean: Jonathan Fohrman

<https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/dance/index.html>

Department: Dance

Office: Building OC2700,
760.795.6844

Full-Time Faculty

Trisha Hanada-Rogers

Dave Massey

Associate Degree

Associate in Arts Degree Dance

The Dance program offers lower-division preparation for students who plan to transfer to pursue a bachelor's degree in dance. Students planning to transfer and/or earn this associate degree may also need to complete additional requirements or electives required by the transfer institution, as many CSUs and UCs have unique admissions and preparation-for-the-major

requirements. Most dance departments require auditions, so students are advised to complete advanced-level dance technique courses. Students should meet with Dance faculty and a MiraCosta College counselor to identify required courses and to develop a written plan for their targeted university.

To earn this associate degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete a general education pattern of courses (see Associate Degrees (p. 67)).
- ▶ Obtain a minimum GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome Statement

Upon completion of this program, the student will be able to

- ▶ examine, interpret and create dance sequences using compositional principles of time, space and energy.
- ▶ demonstrate literacy in dance history, appreciation, and in world cultures.
- ▶ practice and interpret dance technique and alignment.

Required courses:

DNCE 100	Dance Appreciation	3
or DNCE 100H	Dance Appreciation (Honors)	
or DNCE 101	Dance History	
or DNCE 101H	Dance History (Honors)	
or DNCE 104	Dance on Film	
or DNCE 105	Dance Cultures of the World	
or DNCE 105H	Dance Cultures of the World (Honors)	
DNCE 154	Ballet II	1.5
DNCE 168	Jazz Dance II	1.5
DNCE 178	Modern Dance II	1.5
DNCE 185	Choreography	3
DNCE 278	Dance as a Profession	2
Required Dance Technique Electives *		8.5

Select 8.5 units from the following courses:

DNCE 121	Hip Hop I
DNCE 122	Hip Hop II
DNCE 130	Middle Eastern Dance I
DNCE 131	Middle Eastern Dance II
DNCE 132	Afro-Cuban Dance I
DNCE 133	Afro-Cuban Dance II
DNCE 134	Pacific Island Dance I
DNCE 135	Pacific Island Dance II
DNCE 140	Ballroom Dance Technique I
DNCE 143	Ballroom Dance Technique II
DNCE 146	Latin Dance Technique I
DNCE 147	Latin Dance Technique II
DNCE 150	Pilates Mat & Reformer I
DNCE 152	Ballet I
DNCE 154	Ballet II

DNCE 166	Jazz Dance I
DNCE 168	Jazz Dance II
DNCE 169	Introduction to World Dance Forms
DNCE 172	Musical Theater Dance I
DNCE 174	Musical Theater Dance II
DNCE 176	Modern Dance I
DNCE 178	Modern Dance II
DNCE 191	Tap Dance I
DNCE 221	Hip Hop III
DNCE 222	Hip Hop IV
DNCE 230	Middle Eastern Dance III
DNCE 240	Ballroom Dance Technique III
DNCE 243	Ballroom Dance Technique IV
DNCE 246	Latin Dance Technique III
DNCE 247	Latin Dance Technique IV
DNCE 250	Contemporary Dance Intensive I
DNCE 253	Contemporary Dance Intensive II
DNCE 254	Contemporary Dance Intensive III
DNCE 256	Contemporary Dance Intensive IV
DNCE 266	Jazz Dance III
DNCE 268	Jazz Dance IV
Required Dance Performance Electives *	
Select 3 units from the following courses:	
DNCE 179	Musical Theatre Dance Production
DNCE 200	Contemporary Dance Production I
DNCE 201	Contemporary Dance Production II
DNCE 202	Contemporary Dance Production III
DNCE 203	Contemporary Dance Production IV
DNCE 204	Classical Dance Production I
DNCE 205	Classical Dance Production II
DNCE 206	Classical Dance Production III
DNCE 207	Classical Dance Production IV
DNCE 214	Student Choreography Production I
DNCE 215	Student Choreography Production II
DNCE 260	Dance Touring Ensemble
DNCE 263	Contemporary Dance Workshop and Performance A
DNCE 264	Contemporary Dance Workshop and Performance B
DNCE 267	Contemporary Dance Workshop and Performance C
DNCE 269	Contemporary Dance Workshop and Performance D
Total Units	
24	

* **NOTE:** Some of the courses listed under the electives have limitations on enrollment because they are related in content. Please see the Courses Related in Content (p. 197) section of Dance in the college catalog for specific information about these limitations.

Certificates

Certificate of Achievement

Dance Instructor

The Dance Instructor certificate prepares students to teach dance in private studios, recreational facilities, gyms, or community dance programs. Students study theory and technique in movement, choreography and performance courses. They gain a well-rounded foundation in dance that encompasses a variety of dance genres and teaching methodologies. Most candidates for this certificate already have experience in a specific dance genre and need to gain a broader understanding and experience in the overall field of dance education.

Program Student Learning Outcome Statement

Upon completion of this program, the student will be able to

- ▶ create and teach a sample class, demonstrating correct instruction in body alignment, musicality, breathing, and muscular control in a selected dance technique.
- ▶ create dance sequences using compositional principles of time, space, and energy.

Required courses:

DNCE 122	Hip Hop II	1
or DNCE 143	Ballroom Dance Technique II	
or DNCE 147	Latin Dance Technique II	
DNCE 152	Ballet I	1.5
or DNCE 154	Ballet II	
DNCE 168	Jazz Dance II	1.5
DNCE 178	Modern Dance II	1.5
DNCE 185	Choreography	3
DNCE 292	Internship Studies	3
Required electives (select 9 units): *		9
DNCE 121	Hip Hop I	
DNCE 122	Hip Hop II	
DNCE 130	Middle Eastern Dance I	
DNCE 131	Middle Eastern Dance II	
DNCE 132	Afro-Cuban Dance I	
DNCE 133	Afro-Cuban Dance II	
DNCE 134	Pacific Island Dance I	
DNCE 135	Pacific Island Dance II	
DNCE 140	Ballroom Dance Technique I	
DNCE 143	Ballroom Dance Technique II	
DNCE 146	Latin Dance Technique I	
DNCE 147	Latin Dance Technique II	
DNCE 150	Pilates Mat & Reformer I	
DNCE 154	Ballet II	
DNCE 166	Jazz Dance I	
DNCE 168	Jazz Dance II	
DNCE 169	Introduction to World Dance Forms	
DNCE 172	Musical Theater Dance I	
DNCE 174	Musical Theater Dance II	
DNCE 176	Modern Dance I	
DNCE 178	Modern Dance II	
DNCE 191	Tap Dance I	

DNCE 221	Hip Hop III	
DNCE 222	Hip Hop IV	
DNCE 230	Middle Eastern Dance III	
DNCE 240	Ballroom Dance Technique III	
DNCE 243	Ballroom Dance Technique IV	
DNCE 246	Latin Dance Technique III	
DNCE 247	Latin Dance Technique IV	
DNCE 266	Jazz Dance III	
DNCE 268	Jazz Dance IV	
DNCE 278	Dance as a Profession	
Total Units		20.5

* **NOTE:** Some of the courses listed under electives have limitations on enrollment because they are related in content. Please see the Courses Related in Content (p. 197) section of Dance in the college catalog for specific information about these limitations.

Courses Related in Content (CRC)

Active participatory dance courses that are related in content are grouped together. Students are allowed four enrollments within each CRC group, but each course may be taken only once unless its catalog description indicates it is repeatable. Enrollments include any combination of course completions (with an evaluative or nonevaluative symbol recorded on the student's transcript), withdrawals, and repetition.

Ballet CRC

DNCE 152	Ballet I
DNCE 154	Ballet II

Ballroom Dance CRC

DNCE 140	Ballroom Dance Technique I
DNCE 143	Ballroom Dance Technique II
DNCE 240	Ballroom Dance Technique III
DNCE 243	Ballroom Dance Technique IV

Classical Dance Production CRC

DNCE 204	Classical Dance Production I
DNCE 205	Classical Dance Production II
DNCE 206	Classical Dance Production III
DNCE 207	Classical Dance Production IV

Contemporary Dance Production CRC

DNCE 200	Contemporary Dance Production I
DNCE 201	Contemporary Dance Production II
DNCE 202	Contemporary Dance Production III
DNCE 203	Contemporary Dance Production IV

Contemporary Dance Workshop CRC

DNCE 263	Contemporary Dance Workshop and Performance A
DNCE 264	Contemporary Dance Workshop and Performance B
DNCE 267	Contemporary Dance Workshop and Performance C
DNCE 269	Contemporary Dance Workshop and Performance D

Dance in the Americas CRC

DNCE 146	Latin Dance Technique I
DNCE 147	Latin Dance Technique II
DNCE 246	Latin Dance Technique III
DNCE 247	Latin Dance Technique IV

Dance in the Caribbean CRC

DNCE 132	Afro-Cuban Dance I
DNCE 133	Afro-Cuban Dance II
DNCE 169	Introduction to World Dance Forms

Dance in the Middle East CRC

DNCE 130	Middle Eastern Dance I
DNCE 131	Middle Eastern Dance II
DNCE 230	Middle Eastern Dance III

Dance in Oceania CRC

DNCE 134	Pacific Island Dance I
DNCE 135	Pacific Island Dance II

Hip Hop CRC

DNCE 121	Hip Hop I
DNCE 122	Hip Hop II
DNCE 221	Hip Hop III
DNCE 222	Hip Hop IV

Jazz Dance CRC

DNCE 166	Jazz Dance I
DNCE 168	Jazz Dance II
DNCE 266	Jazz Dance III
DNCE 268	Jazz Dance IV

Modern Dance CRC

DNCE 176	Modern Dance I
DNCE 178	Modern Dance II

Musical Theater CRC

DNCE 172	Musical Theater Dance I
DNCE 174	Musical Theater Dance II

Student Choreography Production CRC

DNCE 214	Student Choreography Production I
DNCE 215	Student Choreography Production II

Summer Dance Intensive CRC

DNCE 250	Contemporary Dance Intensive I
DNCE 253	Contemporary Dance Intensive II
DNCE 254	Contemporary Dance Intensive III
DNCE 256	Contemporary Dance Intensive IV

Courses

DNCE 100: Dance Appreciation

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in DNCE 100H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course examines the aesthetics of dance using the elements of time, space, and energy. It introduces students to the origins of dance within cultural contexts. Topics include dance genres, movement vocabulary, notation symbols, and dance-production elements that choreographers use to convey their creative intent. Students are required to attend a live dance performance. UC CREDIT LIMITATION: DNCE 100 or DNCE 100H.

DNCE 100H: Dance Appreciation (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in DNCE 100.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This honors course offers highly motivated students the opportunity to complete, document, observe, and discuss movement concepts associated with Language of Dance symbols and terminology and how these movement concepts are present in everyday life. This course examines the aesthetics of dance using the elements of time, space, and energy. It introduces students to the origins of dance within cultural contexts. Topics include dance genres, movement vocabulary, notation symbols, and dance-production elements that choreographers use to convey their creative intent. Students are required to attend a live dance performance. UC CREDIT LIMITATION: DNCE 100 and DNCE 100H.

DNCE 101: Dance History

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in DNCE 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course provides a historical survey of dance in western civilization from antiquity to the present. It emphasizes the cultural context and historical development of ballet and modern dance, and it relates dance to other art forms within various historical periods. Students are required to attend a live dance performance. UC CREDIT LIMITATION: Credit for DNCE 101 or DNCE 101H.

DNCE 101H: Dance History (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in DNCE 101.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This honors course offers highly motivated students the opportunity to observe, analyze and discuss dance as it relates to other art forms within various historical periods. This course will focus on dance in western civilization from antiquity to the present, emphasizing cultural context and historical development of ballet and modern dance. Students are required to attend a live dance performance. UC CREDIT LIMITATION: Credit for DNCE 101 or DNCE 101H.

DNCE 104: Dance on Film

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course explores the influence of dance as entertainment in musical films from the 1920s to the present. It examines how dance as art has influenced and responded to societal issues such as race, gender, war, class, politics, and other significant socio-cultural topics of this time period. Students are required to attend a live dance performance.

DNCE 105: Dance Cultures of the World

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in DNCE 105H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course surveys dance around the world in a cultural and social context. It emphasizes the different ways dance is used to express ideas about the relationship between a person and the body, gender roles, religion, cultural traditions, and ritual. Cultures include Africa, Asia, Latin America, Middle East, North America, and Eastern Europe. Students are required to attend a live dance performance. UC CREDIT LIMITATION: Credit for DNCE 105 or DNCE 105H.

DNCE 105H: Dance Cultures of the World (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in DNCE 105.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This honors course offers highly motivated students the opportunity to observe, analyze and discuss a variety of world dance genres from a cultural and social context. It emphasizes the different ways dance is used to express ideas about the relationship between a person and the body, gender roles, religion, cultural traditions, and ritual. Cultures include Africa, Asia, Latin America, Middle East, North America, and Eastern Europe. Students are required to attend a live dance performance. UC CREDIT LIMITATION: Credit for DNCE 105 or DNCE 105H.

DNCE 121: Hip Hop I

Units: 1

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments between/ among DNCE 121, DNCE 122, DNCE 221, and DNCE 222.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course is an introduction to hip hop dance, focusing on styles used for movies, television, and video productions. It includes popping, locking, Bboying, rocking, and other hip hop styles at a beginning level. Students are required to see a live dance concert.

DNCE 122: Hip Hop II

Units: 1

Prerequisites: None

Advisory: DNCE 121.

Enrollment Limitation: Maximum of four enrollments between/ among DNCE 121, DNCE 122, DNCE 221, and DNCE 222.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This continuation of hip hop dance focuses on styles used for movies, television, and video productions. It includes popping, locking, Bboying, rocking, and other hip hop styles at a beginning-intermediate level. Students are required to see a live dance concert.

DNCE 130: Middle Eastern Dance I

Units: 1

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among DNCE 130, DNCE 131, and DNCE 230.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall odd years

This course provides a concentrated study of Middle Eastern dance within its cultural context at the beginning level. Students learn dance techniques, correct alignment, body isolations, arm movements, and rhythmic coordination necessary to perform Middle Eastern dances. Topics include Raqs al Baladi, Raqs Sharqi, Taqsim and basic drum solo patterns. The course includes basic Middle Eastern rhythms and covers both traditional and contemporary influences. Students are required to attend a live dance concert.

DNCE 131: Middle Eastern Dance II

Units: 1

Prerequisites: None

Advisory: DNCE 130.

Enrollment Limitation: Maximum of four enrollments among DNCE 130, DNCE 131, and DNCE 230.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall odd years

This course is a concentrated study of Middle Eastern dance within its cultural context at the beginning-intermediate level. Students learn dance choreographies, focusing on Raqs al Baladi, Raqs al Sharqi, Taqsim, and more complex drum solos. Instruction includes Middle Eastern dance rhythms and playing finger cymbal patterns. The course includes both traditional and contemporary influences. Students are required to attend a live dance concert.

DNCE 132: Afro-Cuban Dance I

Units: 1

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among DNCE 132, DNCE 133, and DNCE 169.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall even years

This course provides a beginning-level study of Afro-Cuban dances and rhythms originating from Africa and extending to cultures of African diaspora, specifically Cuba, Haiti, and the Dominican Republic. Students learn correct alignment, body isolations, footwork, and coordination necessary to perform Afro-Cuban dances. Both traditional and contemporary dance styles may be included. Students are required to attend a live dance concert.

DNCE 133: Afro-Cuban Dance II

Units: 1

Prerequisites: None

Advisory: DNCE 132.

Enrollment Limitation: Maximum of four enrollments among DNCE 132, DNCE 133, and DNCE 169.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall even years

This course provides an intermediate-level study of Afro-Cuban dances and rhythms originating from Africa and extending to cultures of African diaspora, specifically Cuba. Students learn multiple body isolations, complex footwork, and coordination necessary to perform intermediate Afro-Cuban dances. Both traditional and contemporary dance styles may be included. Students are required to attend a live dance concert.

DNCE 134: Pacific Island Dance I

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall

This course introduces the dance and music of the Pacific Islands, including Polynesia, Melanesia, and Micronesia. Specific countries may include but are not limited to Samoa, Hawaii, Guam, New Zealand, Tahiti, Tonga, Fiji, Solomon Islands, Papua New Guinea, Vanuatu, Kiribati, Marshall Islands, Naru, and Palau. Students learn basic dance steps, postures, rhythms, timing, songs, and movements of different Pacific Island dance in contemporary and traditional forms using Pacific Island movement terminology. The course examines the function and aesthetic of dance as ritual, social discourse, education, and artistic expression. Students are required to attend a live dance performance.

DNCE 135: Pacific Island Dance II

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Spring

This course continues the exploration of dance and music of the Pacific Islands, including Polynesia, Melanesia, and Micronesia. Specific countries may include but are not limited to Samoa, Hawaii'i, Guam, New Zealand, Tahiti, Tonga, Fiji, Solomon Islands, Papua New Guinea, Vanuatu, Kiribati, Marshall Islands, Naru, and Palau. Students learn intermediate dance steps, postures, rhythms, timing, songs, and movements of different Pacific Island dance in contemporary and traditional forms using Pacific Island movement terminology. The course examines the function and aesthetic of dance as ritual, social discourse, education, and artistic expression. Students are required to attend a live dance performance.

DNCE 140: Ballroom Dance Technique I

Units: 1

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments between/ among DNCE 140, DNCE 143, DNCE 240, and DNCE 243.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall even yrs, Spring odd yrs

This course introduces beginning principles and techniques of American ballroom dances, including the slow waltz, tango and swing. Students learn and perform basic ballroom dances while improving alignment, timing, coordination, and partnering techniques. Students are required to attend a live dance performance.

DNCE 143: Ballroom Dance Technique II

Units: 1

Prerequisites: None

Advisory: DNCE 140.

Enrollment Limitation: Maximum of four enrollments between/ among DNCE 140, DNCE 143, DNCE 240, and DNCE 243.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall even yrs, Spring odd yrs

This continued study of ballroom dance principles and techniques focuses on beginning-intermediate level American ballroom dances, including slow waltz, tango and swing. Students learn and perform beginning-intermediate ballroom dance combinations while improving alignment, musicality, styling, and partnering skills. Students are required to attend a live dance performance.

DNCE 146: Latin Dance Technique I

Units: 1

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments between/ among DNCE 146, DNCE 147, DNCE 246, and DNCE 247.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall odd yrs, Spring even yrs

This course introduces beginning dance principles and techniques of Latin partnering dances, such as the cha cha, salsa, samba, and rumba. Students learn and perform basic Latin dances while improving alignment, timing, coordination, and partnering techniques. Students are required to attend a live dance concert.

DNCE 147: Latin Dance Technique II

Units: 1

Prerequisites: None

Advisory: DNCE 146

Enrollment Limitation: Maximum of four enrollments between/among DNCE 146, DNCE 147, DNCE 246, and DNCE 247.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall odd years

This continued study of Latin dance principles and technique focuses on beginning-intermediate Latin partnering dances, such as the cha cha, salsa, samba and rumba. Students learn and perform Latin partnering dances while improving alignment, rhythm, footwork, and styling. Students are required to attend a live dance concert.

DNCE 150: Pilates Mat & Reformer I

Units: 1.5

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall

This beginning-intermediate level Pilates-based program utilizes mat and reformer exercises designed to improve strength, flexibility, enhance dance performance, movement coordination, and physical conditioning. (May be repeated once.)

DNCE 152: Ballet I

Units: 1.5

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among DNCE 152, DNCE 154.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on the fundamentals of ballet technique, principles, and terminology. It prepares students for more advanced study in ballet. Topics include terminology, variations of ballet barre, center, petite allegro, adagio, and grande allegro work. Students develop increased proficiency and skill attainment with each repetition, and they are required to attend a live dance performance. (May be repeated three times.)

DNCE 154: Ballet II

Units: 1.5

Prerequisites: None

Advisory: DNCE 152.

Enrollment Limitation: Maximum of four enrollments among DNCE 152, DNCE 154.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on intermediate ballet technique, principles, and terminology. It prepares students for more advanced study in ballet. Topics include terminology, variations of ballet barre, center, petit allegro, adagio, and grand allegro work. Students are required to attend a live dance performance. (May be repeated three times.)

DNCE 166: Jazz Dance I

Units: 1.5

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among DNCE 166, DNCE 168, DNCE 266, DNCE 268.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on the fundamentals of jazz-dance technique, principles, and terminology. It prepares students for a more advanced study in jazz dance. Topics include terminology, warm-up, stretches, on-the-diagonal progressions, and dance combinations center floor. Students develop increased proficiency and skill attainment with each repetition. Students are required to attend a live dance performance. (May be repeated one time.)

DNCE 168: Jazz Dance II

Units: 1.5

Prerequisites: None

Advisory: DNCE 166.

Enrollment Limitation: Maximum of four enrollments among DNCE 166, DNCE 168, DNCE 266, DNCE 268.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides study in intermediate jazz dance technique, principles, and terminology. It prepares students for more advanced study in jazz dance. Topics include warm-up, stretches, on-the-diagonal progressions, and dance combinations center floor. Students are required to attend a live dance concert. (May be repeated one time.)

DNCE 169: Introduction to World Dance Forms

Units: 1

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among DNCE 132, DNCE 133, and DNCE 169.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Spring even years

This course introduces the dance and music of various world dance cultures, including Africa, Asia, South America, the Middle East, and Europe. Students learn basic dance steps, postures, rhythms, timing, and movements of different world dance forms. The course examines the function and aesthetic of dance within various cultures, such as ritual, social, and artistic expression. Students develop increased proficiency and skill attainment with each repetition, and they are required to attend a live dance performance. (May be repeated one time.)

DNCE 172: Musical Theater Dance I

Units: 1.5

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall even years

This course provides study in beginning dance technique, principles, and terminology appropriate for musical theater dance. It prepares students to audition for the MCC musical and for more advanced study in musical theater dance. Topics include warm up, across the floor progressions, and dance combinations center floor. Students are required to attend a live dance concert.

DNCE 174: Musical Theater Dance II

Units: 1.5

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall odd years

This course provides study in intermediate dance technique, principles, and terminology appropriate for musical theater dance. It prepares students to audition for the MCC musical and for more advanced study in musical theater dance. Topics include warm up, across the floor progressions, and dance combinations center floor. Students are required to attend a live dance concert.

DNCE 176: Modern Dance I

Units: 1.5

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among DNCE 176 and DNCE 178.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course introduces modern dance principles and techniques, exploring the elements of time, space, energy, and shape. Students learn correct body alignment, rhythm, breath, and balance through the study and practice of modern dance combinations. Students are required to attend a live dance performance. (May be repeated three times.)

DNCE 178: Modern Dance II

Units: 1.5

Prerequisites: None

Advisory: DNCE 176.

Enrollment Limitation: Maximum of four enrollments among DNCE 176 and DNCE 178.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course is a continued study of modern dance, based on the principles of contraction and release, fall and recovery, and effort/shape. Students learn movement combinations and group choreography, utilizing intermediate modern dance technique, improvisation, and choreographic variations. Students are required to attend a live dance concert. (May be repeated three times.)

DNCE 179: Musical Theatre Dance Production

Units: 1-2

Prerequisites: None

Corequisite: DRAM 204.

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 6 hours.

Course Typically Offered: Spring

This course focuses on dance techniques within the context of historical and contemporary Broadway musicals and/or plays. Students assess how movement, energy, stage presence, and musicality affect level of performance, and they integrate these techniques into choreography of a theatrical performance. (May be repeated two times.)

DNCE 185: Choreography

Units: 3

Prerequisites: DNCE 152, DNCE 166, or DNCE 176.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course focuses on the art and craft of choreography using the compositional dance principles of time, space, and energy. Students analyze dances by contemporary choreographers and create dance sequences using structured improvisation, movement exploration, and musical interpretation. The course emphasizes solo and small-group work. (May be repeated one time.)

DNCE 191: Tap Dance I

Units: 1.5

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall odd yrs, Spring even yrs

This course provides study in beginning tap dance technique, principles, and terminology. It prepares students for a more advanced study in tap dance. Topics include terminology, warm-up, combinations across the floor, and center-floor combinations. Students are required to attend a live dance performance. (May be repeated one time.)

DNCE 200: Contemporary Dance Production I

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition. Maximum of four enrollments among DNCE 200, DNCE 201, DNCE 202, DNCE 203, DNCE 261, DNCE 262.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Spring odd years

This course explores the choreographic, rehearsal, and performance process of contemporary dance forms for dance concerts, outreach, and community events at a beginning level. Students work under professional working conditions and requirements. This course culminates in a live dance performance.

DNCE 201: Contemporary Dance Production II

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition. Maximum of four enrollments among DNCE 200, DNCE 201, DNCE 202, DNCE 203, DNCE 261, DNCE 262.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall odd years

This course explores the choreographic, rehearsal, and performance process of contemporary dance forms for dance concerts, outreach, and community events at the intermediate level. Students work under professional working conditions and requirements. This course culminates in a live dance performance.

DNCE 202: Contemporary Dance Production III

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition. Maximum of four enrollments among DNCE 200, DNCE 201, DNCE 202, DNCE 203, DNCE 261, DNCE 262.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Spring even years

This course explores the choreographic, rehearsal, and performance process of contemporary dance forms for dance concerts, outreach, and community events at the intermediate-advanced level. Students work under professional working conditions and requirements. This course culminates in a live dance performance.

DNCE 203: Contemporary Dance Production IV

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition. Maximum of four enrollments among DNCE 200, DNCE 201, DNCE 202, DNCE 203, DNCE 261, DNCE 262.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall even years

This course explores the choreographic, rehearsal, and performance process of contemporary dance forms for dance concerts, outreach, and community events at the advanced level. Students work under professional working conditions and requirements. This course culminates in a live dance performance.

DNCE 204: Classical Dance Production I

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition. Maximum of four enrollments among DNCE 160, DNCE 162, DNCE 204, DNCE 205, DNCE 206, DNCE 207.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Spring even years

This course explores the choreographic, rehearsal, and performance process of classical dance genres for dance concerts, outreach, and community events at a beginning level. Students work under professional working conditions and requirements. This course culminates in a live dance performance.

DNCE 205: Classical Dance Production II

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition and maximum of four enrollments among DNCE 160, DNCE 162, DNCE 204, DNCE 205, DNCE 206, DNCE 207.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall even years

This course explores the choreographic, rehearsal, and performance process of classical dance genres for dance concerts, outreach, and community events at the intermediate level. Students work under professional working conditions and requirements. This course culminates in a live dance performance.

DNCE 206: Classical Dance Production III

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition and maximum of four enrollments among DNCE 160, DNCE 162, DNCE 204, DNCE 205, DNCE 206, DNCE 207.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Spring odd years

This course explores the choreographic, rehearsal, and performance process of classical dance forms for dance concerts, outreach, and community events at the intermediate-to-advanced level. Students work under professional working conditions and requirements. This course culminates in a live dance performance.

DNCE 207: Classical Dance Production IV

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition and maximum of four enrollments among DNCE 160, DNCE 162, DNCE 204, DNCE 205, DNCE 206, DNCE 207.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall odd years

This course explores the choreographic, rehearsal, and performance process of classical dance genres for dance concerts, outreach, and community events at an advanced level. Students work under professional working conditions and requirements. This course culminates in a live dance performance.

DNCE 214: Student Choreography Production I

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Spring odd years

This course explores the choreographic process for the beginning-to-intermediate student choreographer. Students study the principles and concepts that take a choreographic work from the choreographer's beginning thoughts, to the rehearsal process, and then to an on-stage performance.

DNCE 215: Student Choreography Production II

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Spring odd years

This course explores the choreographic process for the intermediate-to-advanced student choreographer. Students study the principles and concepts that take a choreographic work from the choreographer's beginning thoughts, to the rehearsal process, and then to an on-stage performance.

DNCE 221: Hip Hop III

Units: 1.5

Prerequisites: None

Advisory: DNCE 122.

Enrollment Limitation: Maximum of four enrollments among DNCE 121, DNCE 122, DNCE 221, DNCE 222.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This continuation of hip hop dance, focusing on styles used for movies, television, and video productions. It includes popping, locking, Bboying, rocking, and other hip hop styles at an intermediate level. Students are required to see a live dance concert.

DNCE 222: Hip Hop IV

Units: 1.5

Prerequisites: None

Advisory: DNCE 221

Enrollment Limitation: Maximum of four enrollments among DNCE 121, DNCE 122, DNCE 221, DNCE 222.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This continuation of hip hop dance focuses on styles used for movies, television, and video productions. It includes popping, locking, Bboying, rocking, and other hip hop styles at an intermediate-advanced level. Students are required to see a live dance concert.

DNCE 230: Middle Eastern Dance III

Units: 1

Prerequisites: None

Advisory: DNCE 131.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall odd years

This course provides a concentrated study of Middle Eastern dance within its cultural context at the intermediate-advanced level. Students learn dance choreographies, focusing on Raqs al Baladi, Raqs al Sharqi, Taqsim, Veil work, and more complex drum solos. Instruction includes Middle Eastern dance rhythms and playing finger cymbal patterns. The course includes both traditional and contemporary influences. Students are required to attend a live dance concert.

DNCE 240: Ballroom Dance Technique III

Units: 1

Prerequisites: None

Advisory: DNCE 143.

Enrollment Limitation: Maximum of four enrollments between/ among DNCE 140, DNCE 143, DNCE 240, and DNCE 243.

Acceptable for Credit: CSU

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall odd yrs, Spring even yrs

This continued study of ballroom dance principles and techniques focuses on the intermediate level of American ballroom dances, including slow waltz, Viennese waltz, fox-trot, tango and swing. Students learn and perform intermediate ballroom dance combinations while improving musicality, styling, and partnering skills. Students are required to attend a live dance performance.

DNCE 243: Ballroom Dance Technique IV

Units: 1

Prerequisites: None

Advisory: DNCE 240.

Enrollment Limitation: Maximum of four enrollments between/among DNCE 140, DNCE 143, DNCE 240, and DNCE 243.

Acceptable for Credit: CSU

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall odd yrs, Spring even yrs

This continued study of ballroom dance principles and techniques focuses on the intermediate-advanced level of American ballroom dances, including slow waltz, Viennese waltz, fox-trot, tango and swing. Students learn and perform intermediate-advanced ballroom dance combinations while improving musicality, styling, improvisation, and partnering skills. Students are required to attend a live dance performance.

DNCE 246: Latin Dance Technique III

Units: 1

Prerequisites: None

Advisory: DNCE 147

Enrollment Limitation: Maximum of four enrollments between/among DNCE 146, DNCE 147, DNCE 246, and DNCE 247.

Acceptable for Credit: CSU

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall odd years

This continued study of Latin dance principles and technique focuses on intermediate Latin partnering dances, such as the cha cha, salsa, samba, mambo, and rumba. Students learn and perform Latin partnering dances while improving alignment, musicality, footwork, and styling. Students are required to attend a live dance concert.

DNCE 247: Latin Dance Technique IV

Units: 1

Prerequisites: None

Advisory: DNCE 246

Enrollment Limitation: Maximum of four enrollments between/among DNCE 146, DNCE 147, DNCE 246, and DNCE 247.

Acceptable for Credit: CSU

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall odd years

This continued study of Latin dance principles and technique focuses on intermediate-advanced Latin partnering dances, such as the cha cha, salsa, samba, mambo and rumba. Students learn and perform Latin partnering dances while improving alignment, musicality, footwork, and styling. Students are required to attend a live dance concert.

DNCE 250: Contemporary Dance Intensive I

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition. Maximum of four enrollments between/among DNCE 250, DNCE 253, DNCE 254, DNCE 256.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Summer odd years

This intensive focuses on contemporary dance as an expressive art form at the beginning/intermediate level. Guest artists may be brought in and work on building technical skills, improvisational skills, and partnering skills. Repertory may be taught from the guest artists' experiences. The course evaluates movement phrases in space, effort, and time and focuses on establishing kinesthetic awareness and the ability to find one's own groove.

DNCE 253: Contemporary Dance Intensive II

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition. Maximum of four enrollments between/among DNCE 250, DNCE 253, DNCE 254, DNCE 256.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Summer even years

This intensive focuses on contemporary dance as an expressive art form at the intermediate level. Guest artists may be brought in and work on building technical skills, improvisational skills, and partnering skills. Repertory may be taught from guest artists' experiences. The course evaluates movement phrases in space, effort, and time and focuses on establishing kinesthetic awareness and the ability to find one's own groove.

DNCE 254: Contemporary Dance Intensive III

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition. Maximum of four enrollments between/among DNCE 250, DNCE 253, DNCE 254, DNCE 256.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Summer even years

This intensive focuses on contemporary dance as an expressive art form at the intermediate-advanced level. Guest artists may be brought in and work on building technical skills, improvisational skills, and partnering skills. Repertory may be taught from their company experiences. The course evaluates movement phrases in space, effort, and time and focuses on establishing kinesthetic awareness and the ability to find one's own groove.

DNCE 256: Contemporary Dance Intensive IV

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition. Maximum of four enrollments between/among DNCE 250, DNCE 253, DNCE 254, DNCE 256.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Summer odd years

This intensive focuses on contemporary dance as an expressive art form at the advanced level. Guest artists may be brought in and work on building technical skills, improvisational skills, and partnering skills. Repertory may be taught from their company experiences. The course evaluates movement phrases in space, effort, and time and focuses on establishing kinesthetic awareness and the ability to find one's own groove.

DNCE 260: Dance Touring Ensemble

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course allows students to study traditional and contemporary choreography through rehearsal and competitive performance. Dancers participate in concerts and festivals on campus and throughout the community and region, including American College Dance Association (ACDA) competitions. Students experience different repertoire each semester the course is offered. (May be repeated three times.)

DNCE 263: Contemporary Dance Workshop and Performance A

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition. Maximum of four enrollments among DNCE 263, DNCE 264, DNCE 267, DNCE 269.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Summer odd years

This course offers students and choreographers a beginning-level experience working in a collaborative workshop setting. Students participate in the creative process throughout the workshop, which culminates in a public performance. Students work under professional working conditions and requirements.

DNCE 264: Contemporary Dance Workshop and Performance B

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition. Maximum of four enrollments among DNCE 263, DNCE 264, DNCE 267, DNCE 269.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Summer even years

This course offers students and choreographers a beginning-intermediate level experience working in a collaborative workshop setting. Students participate in the creative process throughout the workshop, which culminates in a public performance. Students work under professional working conditions and requirements.

DNCE 266: Jazz Dance III

Units: 1.5

Prerequisites: None

Advisory: DNCE 168

Enrollment Limitation: Maximum of four enrollments among DNCE 166, DNCE 168, DNCE 266, DNCE 268.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Spring

This course provides study in intermediate/advanced jazz-dance technique, principles, and terminology. Topics include musicality and various jazz styles.

DNCE 267: Contemporary Dance Workshop and Performance C

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition. Maximum of four enrollments among DNCE 263, DNCE 264, DNCE 267, DNCE 269.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Summer odd years

This course offers students and choreographers an intermediate-advanced level experience working in a collaborative workshop setting. Students participate in the creative process throughout the workshop, which culminates in a public performance. Students work under professional working conditions and requirements.

DNCE 268: Jazz Dance IV

Units: 1.5

Prerequisites: None

Advisory: DNCE 266

Enrollment Limitation: Maximum of four enrollments among DNCE 166, DNCE 168, DNCE 266, DNCE 268.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Spring

This course provides study in advanced jazz dance technique, principles, and terminology. Topics include musicality and various jazz styles.

DNCE 269: Contemporary Dance Workshop and Performance D

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition. Maximum of four enrollments among DNCE 263, DNCE 264, DNCE 267, DNCE 269.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours.

Course Typically Offered: Summer even years

This course offers students and choreographers an advanced-level experience working in a collaborative workshop setting. Students participate in the creative process throughout the workshop, which culminates in a public performance. Students work under professional working conditions and requirements.

DNCE 278: Dance as a Profession

Units: 2

Prerequisites: DNCE 185.

Acceptable for Credit: CSU

Lecture 1 hour, laboratory 3 hours.

Course Typically Offered: Spring even years

This course is designed for the student planning to pursue dance as a career. Components of this course include audition techniques, resume building, photos, costume design, light design, music/sound editing and creation, and other aspects of dance as a profession.

DNCE 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

DNCE 296: Topics in Dance

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Dance that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

DNCE 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Occupational Cooperative Work Experience Education is intended for students employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Design

The Design program offers courses in architecture, drafting, and engineering for students who wish to transfer to a four-year institution or gain employment in the fields of architecture, computer-aided design, mechanical design, and engineering. The program also offers courses for those who may not be pursuing a career in design but who have an interest in or need to understand graphic communication.

The engineering coursework includes engineering design graphics courses for students majoring in aerospace, civil, environmental, industrial, mechanical, and structural engineering. The architectural coursework gives students a working knowledge of the practices and technical aspects of architectural design and drawing. Careers in architecture, some of which require an undergraduate degree, include urban planner, surveyor, draftsman, building inspector, corporate architect, and technical illustrator.

Careers in engineering, some of which require an undergraduate degree, include CAD drafter, civil engineer, industrial designer, structural engineer, and mechanical engineer. Employers for students obtaining certificates and associate degrees include federal, state, and local land use planning agencies; building and transportation agencies; private architectural, contract, and construction companies; and for-profit industrial and manufacturing companies in life science, defense, sport/recreation equipment, and various other industries. Graduates of the program have been hired by local companies such as General Atomics, Calloway Golf, LaCantina Doors, Forecast 3D, NASA, Boeing, and Illumina. Graduates of the program have also been accepted to universities such as SDSU, Cal Poly, NewSchool, Woodbury, USC, UCSD, UCLA, and UC Berkeley. Graduates have been awarded the Bridges Scholarship and the prestigious Jack Kent Cooke undergraduate transfer scholarship.

Academic and Career Pathway: Business and Technology

Contact Information

Chair: David Parker
Dean: Al Taccone
<https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/design/index.html>
Department: Design
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 760.795.6811

Full-Time Faculty

Paul Clarke
 David Parker

Associate Degrees

Associate in Arts Degrees

Architectural Design

Computer-Aided Drafting

Computer-Aided Drafting and Design

Mechanical Design

Associate in Science Degrees

Engineering Technology

Students may earn one of the above-named associate degrees by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts or Associate in Science degree (see Associate Degrees). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for their chosen degree or certificate.

Certificates

Certificate of Achievement

Architectural Design

This certificate program gives students a working knowledge of the practices and technical aspects of architectural design and drawing. Students complete the required core courses and choose two elective courses that relates to their own career objective. Completion of this certificate provides students with a foundation in architectural design, construction materials, computer-aided drafting, and building-information modeling, and it enables students to qualify for entry-level positions in detailing, revisions, design update, and general office practice.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to design and create graphical representations of the built environment based on industry standards.

Required courses:

DESN 100	Fundamentals of Design	3
DESN 101	Computer-Aided Design and Drafting	4
DESN 102	Architectural Drawing	3
DESN 103	Architectural Communications	3
DESN 105	Construction Materials	3
DESN 200	Architectural Design I	3

DESN 201	Advanced AutoCAD Computer-Aided Design and Drafting	3
DESN 207	Revit Building Information Modeling	3
DESN 290	Portfolio and Presentation	1
or DESN 292	Internship Studies	
or DESN 299	Occupational Cooperative Work Experience	
Select at least 6 elective units from the following:		6
BUS 133	Project Management	
DESN 107	History of Western Architecture-A Sustainable Perspective	
DESN 108	World Architecture	
DESN 204	Modeling, Prototyping, and Manufacturing	
HORT 127	Landscape Design	
MAT 110	Digital Imaging 1: Adobe Photoshop	
Total Units		32

Certificate of Achievement

Computer-Aided Drafting

This certificate provides a solid foundation in computer-aided drafting (CAD). In addition to the common core of required courses, students choose an area of emphasis (architecture, engineering, or landscape) and complete all the courses from that emphasis. Completion of this program prepares students for entry level support positions in a variety of local industries or for continuing their education. Typical job titles of students completing this certificate include drafter, CAD operator, AutoCAD technician, and architectural and civil drafter.

This certificate consists of 18 units of required core courses and 6-7 units of elective courses from one area of emphasis: architecture, engineering, or landscape. Students should select an emphasis area and complete both courses in that emphasis.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to design and create graphical representations of the built environment based on industry standards.

Required courses:

DESN 101	Computer-Aided Design and Drafting	4
DESN 110	Graphics Communication	3
DESN 201	Advanced AutoCAD Computer-Aided Design and Drafting	3
DESN 203	Solid Modeling	3
DESN 204	Modeling, Prototyping, and Manufacturing	3
DESN 286	Professional Certification Preparation	1
DESN 290	Portfolio and Presentation	1
or DESN 292	Internship Studies	
or DESN 299	Occupational Cooperative Work Experience	
Select an area of emphasis in either Architecture, Engineering or Landscape from below:		6-7
Emphasis in Architecture (6 units):		

DESN 102	Architectural Drawing
DESN 207	Revit Building Information Modeling
Emphasis in Engineering (7 units):	
DESN 111	Engineering Design Graphics
DESN 213	Solid Modeling II
Emphasis in Landscape (6 units):	
HORT 127	Landscape Design
HORT 220	Computer-Aided Landscape Design Applications
Total Units	24-25

Certificate of Achievement Computer-Aided Drafting and Design

This certificate provides a solid foundation in computer-aided drafting and design (CADD). In addition to the common core of required courses, students choose an area of emphasis (architecture, engineering, or landscape) and complete at least 11 elective units from that emphasis. Completion of this program prepares students for entry-level support positions in a variety of local industries or for continuing their education. Typical job titles of students completing this certificate include designer, CAD technician, design drafter, and architectural and civil designer.

This certificate consists of 18 units of required core courses and at least 11 units of elective courses from one area of emphasis: architecture, engineering, or landscape.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to design and create graphical representations of the built environment based on industry standards.

Required courses:

DESN 101	Computer-Aided Design and Drafting	4
DESN 110	Graphics Communication	3
DESN 201	Advanced AutoCAD Computer-Aided Design and Drafting	3
DESN 203	Solid Modeling	3
DESN 204	Modeling, Prototyping, and Manufacturing	3
DESN 286	Professional Certification Preparation	1
DESN 290	Portfolio and Presentation	1
or DESN 292	Internship Studies	
or DESN 299	Occupational Cooperative Work Experience	

Select at least 11 units from one of the three areas of emphasis (Architecture, Engineering, or Landscape):

Architecture Emphasis

DESN 100	Fundamentals of Design
DESN 102	Architectural Drawing
DESN 105	Construction Materials
DESN 200	Architectural Design I
DESN 207	Revit Building Information Modeling

Engineering Emphasis

BUS 133	Project Management

DESN 109	Introduction to Engineering and Design
DESN 111	Engineering Design Graphics
DESN 120	Manufacturing Processes
DESN 213	Solid Modeling II
Landscape Emphasis	
DESN 102	Architectural Drawing
HORT 117	Plant Identification: Trees, Shrubs, and Vines
HORT 126	Irrigation and Water Management
HORT 127	Landscape Design
HORT 220	Computer-Aided Landscape Design Applications

Total Units **29**

Certificate of Achievement Engineering Technology

This certificate provides students with a background for employment in an engineering, manufacturing, or product development firm in support of and under the direction of an engineering professional. Employment opportunities exist in private manufacturing industries, such as aerospace, medical, industrial, or information technology, as an engineering assistant, engineering technologist, or engineering technician. Most of the course requirements are applicable to lower-division preparation leading to a bachelor's degree in engineering technology at a four-year institution. The support courses allow students to select two courses that will strengthen their preparation for the required core courses. Students should select the support courses based on their previous academic record, their future academic goals, and with input from a counselor or discipline faculty member.

Program Student Learning Outcome

- Upon completion of this program students will be able to demonstrate engineering and design skills necessary for entry level engineering positions and further academic study in engineering and/or design.

Required courses:

CSIT 110	Computer Applications	3
CS 150	C++ Programming	3
DESN 101	Computer-Aided Design and Drafting	4
DESN 109	Introduction to Engineering and Design	1
DESN 111	Engineering Design Graphics	4
DESN 120	Manufacturing Processes	3
DESN 203	Solid Modeling	3
MATH 131	Pre-Calculus II: Trigonometry and Analytic Geometry	4-5
or MATH 131H	Pre-Calculus II: Trigonometry and Analytic Geometry (Honors)	
or MATH 150	Calculus and Analytic Geometry I	
or MATH 150H	Calculus and Analytic Geometry I (Honors)	
DESN 286	Professional Certification Preparation	1
or DESN 292	Internship Studies	

or DESN 299	Occupational Cooperative Work Experience	
Support Courses: Select two courses.		6-8
CHEM 140	Preparation for General Chemistry: For Science Majors	
CS 101	Introduction to Computer Science Principles	
DESN 110	Graphics Communication	
MATH 126	Pre-Calculus I: College Algebra	
PHYS 111	Introductory Physics I	
or PHYS 151	Principles of Physics I	
or PHYS 151H	Principles of Physics I (Honors)	
Total Units		32-35

Certificate of Achievement

Mechanical Design

This certificate prepares individuals for entry-level jobs with companies and agencies involved in the design and/or manufacture of mechanical objects, devices, and equipment. Students develop the knowledge and skills needed to take design ideas from concept sketches to digital models, physical prototypes, detail drawings, and subsequent manufacture and production. Job titles of students completing this certificate include drafter, designer, mechanical designer, and engineering assistant. The certificate also equips employed and transfer students with expertise using the latest industry-standard design tools required for job promotions, advanced study, and professional practice.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to design and create graphical representations of the built environment based on industry standards.

Required courses:		
DESN 101	Computer-Aided Design and Drafting	4
DESN 109	Introduction to Engineering and Design	1
DESN 110	Graphics Communication	3
DESN 111	Engineering Design Graphics	4
DESN 120	Manufacturing Processes	3
DESN 203	Solid Modeling	3
DESN 204	Modeling, Prototyping, and Manufacturing	3
DESN 213	Solid Modeling II	3
DESN 286	Professional Certification Preparation	1
Select one unit from the following list of courses:		1
DESN 290	Portfolio and Presentation	
DESN 292	Internship Studies	
DESN 299	Occupational Cooperative Work Experience	
Total Units		26

Certificate of Proficiency

Applied Design

This certificate prepares individuals with skills fundamental to careers in professional interior and industrial design. It is designed for students who desire to secure entry-level positions or who plan to continue their education at a college of design. Job titles typical of students completing this certificate include design assistant or interior design assistant.

Program Student Learning Outcome Statement

- Upon completion of this program students will be able to apply the standard Design Process to generate solutions across multiple industries.

Required courses:		
DESN 100	Fundamentals of Design	3
DESN 101	Computer-Aided Design and Drafting	4
Select an area of emphasis in Interior Design or Industrial Design from below:		6
Emphasis in Design (6 units)		
DESN 102	Architectural Drawing	
DESN 107	History of Western Architecture-A Sustainable Perspective	
DESN 200	Architectural Design I	
Emphasis in Industrial Design (6 units)		
DESN 110	Graphics Communication	
DESN 203	Solid Modeling	
DESN 204	Modeling, Prototyping, and Manufacturing	
Total Units		13

Certificate of Proficiency

AutoCAD Certified User

This certificate offers students credit college courses in solid modeling that transfer to local universities and prepare students to take the AutoCAD certification exam and become a certified user. Beginning students who complete this certificate are on a path toward completing an associate degree in computer aided drafting and transferring to a four-year university. The certificate is also valuable to industry professionals seeking to upgrade their skills and obtain certification.

Program Student Learning Outcome Statement

- At the end of the program students will be able to demonstrate knowledge of the certification exam schedules and be able to apply success skills and strategies to prepare for certification exams.

Required courses:		
DESN 101	Computer-Aided Design and Drafting	4
DESN 201	Advanced AutoCAD Computer-Aided Design and Drafting	3
DESN 286	Professional Certification Preparation	1
Total Units		8

Certificate of Proficiency

Construction Management

This certificate program prepares students for entry-level opportunities in the growing construction industry. It introduces students to the communication tools, construction materials, and management principles required for an entry-level position and/or further study in construction management. In addition to the required courses, students may select an elective course in a more specialized area of emphasis.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to create an effective plan and schedule for a personal or construction project from defined criteria, and monitor, control, and measure performance of the project.

Required courses:

DESN 101	Computer-Aided Design and Drafting	3-4
or DESN 102	Architectural Drawing	
DESN 105	Construction Materials	3
BUS 133	Project Management	3
DESN 286	Professional Certification Preparation	1
DESN 292	Internship Studies	1
or DESN 299	Occupational Cooperative Work Experience	
Choose one course from the following:		3
ACCT 148	Computer Accounting	
BUS 131	Management Principles	
CSIT 110	Computer Applications	
DESN 207	Revit Building Information Modeling	
HORT 128	Landscape Construction	

Total Units **14-15**

Certificate of Proficiency

Engineering Design Graphics

This certificate provides students an opportunity to explore and become proficient with the graphic tools used by designers and engineers to take ideas from design concept to prototype and physical product. Students who complete this certificate are encouraged to then pursue the Mechanical Design or CADD Certificate of Achievement and continue their engineering education.

Program Student Learning Outcome Statement

- Upon completion of this program students will be able to critically analyze the needs of the audience or end user of the model and select the optimal model media and presentation style (multi-view, shading, dimensioning, etc.) based on the often conflicting demands of user needs, time and budget constraints, and available technology (plotters, projectors, RP machines, etc.).

Required courses:

DESN 101	Computer-Aided Design and Drafting	4
DESN 109	Introduction to Engineering and Design	1

DESN 111	Engineering Design Graphics	4
DESN 203	Solid Modeling	3
DESN 213	Solid Modeling II	3
Total Units		15

Certificate of Proficiency

Drafting Fundamentals

This certificate introduces and provides an overview of the issues and skills involved in drafting education or a career in drafting. A graphics communication course covering sketching, visualization, and projection is combined with a computer-aided drafting and architectural drawing course to help students develop skills using the board and AutoCAD. These courses provide a foundation for work or study related to drafting.

Program Student Learning Outcome Statement

- Upon successful completion of the program, students will be able to create, present, and evaluate a CAD design project that solves design problems typical in industry and/or the community.

Required courses:

DESN 101	Computer-Aided Design and Drafting	4
DESN 102	Architectural Drawing	3
DESN 110	Graphics Communication	3

Total Units **10**

Certificate of Proficiency

SolidWorks Certified User

This certificate offers students credit college courses in solid modeling that transfer to local universities and prepare students to take the SOLIDWORKS certification exam and become a certified user. Beginning students who complete this certificate are on a path toward completing an associate degree in CADD or mechanical design and transferring to a four-year university. The certificate is also valuable to industry professionals seeking to upgrade their skills and obtain certification.

Program Student Learning Outcome Statement

- At the end of the program students will be able to demonstrate knowledge of the certification exam schedules and be able to apply success skills and strategies to prepare for certification exams.

Required courses:

DESN 203	Solid Modeling	3
DESN 213	Solid Modeling II	3
DESN 286	Professional Certification Preparation	1

Total Units **7**

Certificate of Proficiency

3D Modeling and Prototyping

This certificate of proficiency will prepare students for opportunities in the emerging fields of 3D Printing (3DP), Rapid Prototyping (RP), and Additive Manufacturing (AM). Students develop skills in producing digital 3D models that are used to

print, fabricate, and/or manufacture physical prototypes in a rapid manner.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to design and create graphical representations of the built environment based on industry standards.

Required courses:		
DESN 120	Manufacturing Processes	3
DESN 201	Advanced AutoCAD Computer-Aided Design and Drafting	3
DESN 203	Solid Modeling	3
DESN 204	Modeling, Prototyping, and Manufacturing	3
DESN 286	Professional Certification Preparation	1
Total Units		13

Courses

DESN 100: Fundamentals of Design

Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course introduces the fundamentals of the design process as students develop and apply design skills using visual elements and principles of two- and three-dimensional design. It includes solving visual problems and creating authentic designs using black and white and color media in both two- and three-dimensions. Students also study design in historical, social, and multicultural contexts.

DESN 101: Computer-Aided Design and Drafting

Units: 4
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the fundamentals of computer graphics and two and three-dimensional modeling on computer-aided design and drafting systems. Students use AutoCAD and other software and online computer systems to design and display various objects. Students learn principles and techniques that enable them to create, modify, annotate, scale, and output two- and three-dimensional drawings, renderings, and models.

DESN 102: Architectural Drawing

Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides the methods and techniques required for architectural drawing. It covers freehand sketching, line work, lettering, geometric constructions, orthographic and isometric projections, and construction drawings, which include floor plans, elevations, sections, and details.

DESN 103: Architectural Communications

Units: 3
Prerequisites: None
Advisory: DESN 102
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course provides students the fundamentals of architectural presentation, rendering, and model making. It introduces standards and applications of design language, color theory, pen and ink, freehand drawing, two-point perspective, and model making technique.

DESN 105: Construction Materials

Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Summer

This course provides an overview of the processes and materials used in construction. Topics include elements of planning, designing, and contracting of the work. The course emphasizes site preparation and the materials used in residential and commercial projects, including wood, concrete, steel, glazing, and masonry as applied to the interiors and exteriors of buildings.

DESN 107: History of Western Architecture-A Sustainable Perspective

Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces the history of Western architecture from the ancient Near East to the present day with an emphasis on the timeless principles of sustainable design. It examines selected significant historical works of architecture to shed light on the technological, religious, and social forces that shaped these works. Students are introduced to important buildings as they examine past exemplars of architectural design through the lens of present day sustainability guidelines.

DESN 108: World Architecture

Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This survey of non-Western architectural history examines how non-Western building traditions evolved during and after Western and Islamic colonialism. The course focuses on the cultural conditions and forces that shaped the indigenous architecture of the pre-Columbian Americas, the Islamic empires, and India, China, South-East Asia, and Japan.

DESN 109: Introduction to Engineering and Design

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall or Spring

This course introduces students to engineering and design. Students learn about engineering as a field of study and profession. Through tours, guest speakers, text reading, and group discussions, students learn about the campus resources, organizations, academic planning, time management, and study skills necessary for success in engineering. Students develop a plan to achieve their own academic, personal, and professional goals as well as an understanding of design through a project- and team-based learning experience.

DESN 110: Graphics Communication

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall or Spring

This course introduces graphics as a fundamental means of communicating technical information for product design, manufacturing, and construction. Students develop an understanding of graphics communication in the design process and gain hands-on experience using computer-aided design software to produce models, assemblies, and drawings according to industry standards.

DESN 111: Engineering Design Graphics

Units: 4

Prerequisites: None

Advisory: DESN 101 or DESN 110

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course prepares engineering and design students to use the graphic communication tools used by engineers in industry. Students develop an advanced understanding of these tools in the engineering design process and gain hands-on experience using modern computer-aided solid modeling software to produce complex part models, assemblies, and drawings.

DESN 120: Manufacturing Processes

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall

This course provides students a basic understanding of the properties of materials and how these materials, including plastics, metals, ceramics, and composites, are transformed into finished products. Students study basic and advanced manufacturing processes, including material removal, joining, assembly, casting, surfacing, and finishing. Other topics include numerical control, rapid prototyping, measurement and gaging, geometric dimensions and tolerancing, and statistical methods

DESN 200: Architectural Design I

Units: 3

Prerequisites: DESN 102.

Enrollment Limitation: Concurrent enrollment in DESN 102 if prerequisite not met.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course introduces the basics of architectural design. Students learn and apply fundamental form and space concepts to a design project using visual communication, spatial communications, and creative problem solving.

DESN 201: Advanced AutoCAD Computer-Aided Design and Drafting

Units: 3

Prerequisites: DESN 101.

Enrollment Limitation: Concurrent enrollment in DESN 101 if prerequisite not met.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course focuses on applying advanced AutoCAD skills in the design process to create models, drawings, and related documentation for a variety of applications and industries. Topics include blocks, attributes, external references, solid, mesh, and surface modeling, presentation, and photorealistic rendering. Students develop and apply skills in visualizing, creating, and editing 3D shapes for modeling, testing, rapid prototyping, and marketing. The course emphasizes improving productivity and developing modeling and presentation skills.

DESN 203: Solid Modeling

Units: 3

Prerequisites: None

Advisory: DESN 101 and DESN 110.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This course introduces engineering and design students to 3D parametric solid modeling, including basic and intermediate parts, assemblies, and drawings. From their models, students produce CAD drawings to include orthographic, pictorial, section, and detail views. The course also covers dimensioning, dimensional tolerancing, and thread notation per ASME Y14.5M-1994 and uses Pro/Engineer (Creo) and SolidWorks software extensively.

DESN 204: Modeling, Prototyping, and Manufacturing

Units: 3

Prerequisites: None

Advisory: DESN 203 or DESN 201

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course provides theory and hands-on application of the design process, 3D modeling, prototyping, and manufacturing to students with prior modeling experience or coursework. Building upon drafting fundamentals, students develop skill in computer-aided solid modeling, additive manufacturing, and conventional machining processes. Students develop and refine modeling skills, produce prototypes, enhance presentation models, and use simulation and 3D printing tools to solve design problems individually and in teams. Additional topics include problem identification, concept generation, project management, risk reduction, file translation, virtual/augmented reality (VR/AR), quality control, and Computer Numerical Control (CNC).

DESN 207: Revit Building Information Modeling

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course prepares intermediate design students to create, detail, and present CAD models of the built environment using Revit building information modeling software. Students create and modify building models, produce presentations including renderings and animated walk-throughs, manipulate parametric objects, create schedules and details from the data base, and generate construction documents from the model. The course is intended for students pursuing careers in architecture, engineering, construction, drafting, and landscape and interior design.

DESN 213: Solid Modeling II

Units: 3

Prerequisites: DESN 203.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Spring

This course advances design and engineering students in 3D parametric solid modeling with intermediate and advanced parts, assemblies, and drawings. Students produce CAD drawings from solid models to include orthographic, pictorial, section, and detail views per industry standard. It employs design topics such as standard fit analysis, geometric tolerancing per ASME Y14.5M-2009, finite element analysis using Creo and SolidWorks software, and computer numerical controlled manufacturing using HSMWorks.

DESN 286: Professional Certification Preparation

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Fall, Spring

Attaining a professional certification can help employers further validate a student's MiraCosta degree, certificate, or course work. This course provides an overview of industry-based third-party professional certifications, credentials, and licenses specific to a student's discipline of study. Topics include goal setting, a survey of professional certifications relevant to the discipline, industry trends and certification value assessment, exam preparation and exam strategies, practice exams, resolving any skill deficiencies, and life-long learning. Under the instruction of a faculty-mentor, students reflect on their prior course work and career aspirations to produce and execute a plan that outlines the necessary steps to attain the professional certification of their choice. Although students are encouraged to do so, signing up for and/or passing a certification exam is not required to pass the course.

DESN 290: Portfolio and Presentation

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Spring

Students develop a professional portfolio using their best work from previously completed architecture and drafting courses to highlight their design and drawing achievements. The course also covers how students can market themselves for the workforce through resume writing, job search strategies, and presentation and interview skills.

DESN 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

DESN 296: Topics in Design

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Design that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

DESN 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Dramatic Arts

The Dramatic Arts program includes theoretical and practical courses in all aspects of theatre. Students take courses to prepare for a transfer major in dramatic arts, for professional training, or to fulfill general education requirements. Performance and technical theatre opportunities are available to both majors and non-majors. Career options include both creative and technical work in the performing arts/entertainment industry, such as live theatre, film, television, and broadcasting; academic research and teaching; and other communications-related fields, such as advertising and public relations.

Academic and Career Pathway: Creative and Applied Arts

Contact Information

Chair: Tracy Williams**Dean:** Jonathan Fohrman[https://www.miracosta.edu/](https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/dramatic-arts/index.html)
[academics/degree-and-certificate-programs/creative-and-applied-arts/dramatic-arts/index.html](https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/dramatic-arts/index.html)
Department: Theatre and Film**Office:** Building OC2700,

760.795.6844

Full-Time Faculty

Eric Bishop

Sean Fanning

Tracy Williams

Associate Degrees

Associate in Arts Degree

Dramatic Arts

The Dramatic Arts program offers lower-division preparation for students who plan on transferring to pursue a bachelor's degree in dramatic arts. Students planning to transfer and/or earn this associate degree may also need to complete additional requirements or electives required by the transfer institution, as many CSUs and UCs have unique admissions and preparation-for-the-major requirements. Students should meet with a MiraCosta College counselor to identify required courses and to develop a written plan for their targeted university.

To earn this associate degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete a general education pattern of courses (see Associate Degrees (p. 67)).
- ▶ Obtain a minimum GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcomes Statement

- ▶ Upon completion of this program, the student will be able to demonstrate theatrical techniques, theories and adapt production practices.

Required courses:

DRAM 105	Introduction to Theatre	3
DRAM 107	Introduction to Design for Performance	3
DRAM 123	Script Analysis for Performance and Design	3
DRAM 130	Acting I	3
DRAM 253	Makeup for Theatre, Television, and Film	3
DRAM 256	Stagecraft for Theatre, Television, and Film	3

Select at least 3 units from the following: 3

DRAM 201	Rehearsal and Performance: Dramatic Theatre
DRAM 202	Rehearsal and Performance: Comedic Theatre
DRAM 203	Rehearsal and Performance: Classical Theatre
DRAM 204	Rehearsal and Performance: Musical Theatre

DRAM 210	Rehearsal and Performance: Technical Theatre	
Total Units		21

Associate in Arts Degree

Theatre Arts for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a theatre arts degree, an emphasis or option within a theatre arts degree, or a degree considered similar to theatre arts at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a non-participating CSU campus or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a theatre arts major and to determine which CSU campuses are participating in this program. Career options for those who attain a bachelor's degree in theatre arts include actor, set designer, stage manager, artist, designer, museum curator, photographer, illustrator, and other related career paths.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, the student will be able to demonstrate theatrical techniques-theories and adapt production practices.

Required Core: (9 units)

DRAM 105	Introduction to Theatre *	3
DRAM 130	Acting I *	3
Select a maximum of 3 units from courses below:		3
DRAM 201	Rehearsal and Performance: Dramatic Theatre	
DRAM 202	Rehearsal and Performance: Comedic Theatre	
DRAM 203	Rehearsal and Performance: Classical Theatre	
DRAM 204	Rehearsal and Performance: Musical Theatre	
DRAM 210	Rehearsal and Performance: Technical Theatre	

List A:		9
DRAM 107	Introduction to Design for Performance	
DRAM 123	Script Analysis for Performance and Design	
DRAM 141	Lighting Design for Theatre, Television, and Film	
DRAM 146	Costume Design for Theatre, Television, and Film	
DRAM 231	Acting II	
DRAM 253	Makeup for Theatre, Television, and Film	
DRAM 256	Stagecraft for Theatre, Television, and Film	
Select a maximum of 3 units from courses below if not used in Required Core above:		
DRAM 201	Rehearsal and Performance: Dramatic Theatre	
DRAM 202	Rehearsal and Performance: Comedic Theatre	
DRAM 203	Rehearsal and Performance: Classical Theatre	
DRAM 204	Rehearsal and Performance: Musical Theatre	
DRAM 210	Rehearsal and Performance: Technical Theatre	
Total Units		18

* Course approved for the CSU-GE and/or IGETC general education pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Design and Technology

Students may earn the above-named associate degree by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degree (p. 67)s). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to participate in and effectively observe, analyze, and critique the strengths and weaknesses of dramatic performances, taking into account various aspects of their design and technical production, including but not limited to scenic design, lighting design, overall stagecraft, lighting, makeup, and sound.

Certificate of Achievement

Design and Technology

This occupational certificate program prepares students for professional careers in theatre, film, television, music, and/or dance by teaching skills in scenery, costumes, lighting, sound, and makeup.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to participate in and effectively observe, analyze, and critique the strengths and weaknesses of dramatic performances, taking into account various aspects of their design and technical production, including but not limited to scenic design, lighting design, overall stagecraft, lighting, makeup, and sound.

Required courses:

DRAM 105	Introduction to Theatre	3
DRAM 107	Introduction to Design for Performance	3
DRAM 123	Script Analysis for Performance and Design	3
DRAM 139 or DRAM 253	Stage and Concert Management Makeup for Theatre, Television, and Film	3
DRAM 141	Lighting Design for Theatre, Television, and Film	3
DRAM 146	Costume Design for Theatre, Television, and Film	3
DRAM 210	Rehearsal and Performance: Technical Theatre	3
DRAM 256	Stagecraft for Theatre, Television, and Film	3
Total Units		24

* To complete the DRAM 210 requirement, multiple sections must be taken in any unit combination to fulfill a total of 3 units.

Courses Related in Content (CRC)

Active participatory dramatic arts courses that are related in content are grouped together. Students are allowed four enrollments within each CRC group, but each course may be taken only once unless its catalog description indicates it is repeatable. Enrollments include any combination of course completions (with an evaluative or nonevaluative symbol recorded on the student's transcript), withdrawals, and repetition.

Acting CRC

DRAM 130	Acting I
DRAM 148	Acting for the Camera
DRAM 231	Acting II

Audition & Interview Prep CRC

DRAM 131	Audition Preparation for the Stage
DRAM 133	Performance and Design Portfolio Practicum

Actor's Academy CRC

DRAM 126	Shakespearean Acting Lab

DRAM 226	Advanced Performance Lab
DRAM 227	Dramatic Improvisation
Voice and Movement CRC	
DRAM 109	Practicum of Voice and Diction
DRAM 232	Movement for the Stage

Courses

DRAM 105: Introduction to Theatre

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course exposes students to fundamental practices and creative processes in dramatic arts, focusing on the relationship of theatre to various cultures throughout history and on the contributions of significant individuals. It introduces elements of the production process, including collaboration, playwriting, acting, directing, design, and criticism, and it explores differing periods, styles, and genres of theatre through reading, discussion, films, and live theatre critique. Students are required to attend college theatre performances. C-ID THTR-111.

DRAM 107: Introduction to Design for Performance

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course explores the principles, elements, techniques, and practices of design for performance. Topics include analysis of space, movement, mood, period, style, texture, materials, and color using industry-standard techniques of rendering, model-making, drafting, and presentation. The classroom experience stresses the importance of working collaboratively on projects and understanding critique as part of the design process. Students are required to view theatrical performances. C-ID THTR-172.

DRAM 109: Practicum of Voice and Diction

Units: 1

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Summer

This course emphasizes vocal training for actors. It includes the basics of vocal training: projection, articulation, expression, breathing techniques, and relaxation as needed for theatrical productions.

DRAM 110: Voice and Diction

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to techniques for improving the quality, flexibility, and effectiveness of the speaking voice. Students examine and practice clear articulation of American English sounds. Topics include vocal expressiveness and variety, physical relaxation, posture, breath control techniques, and the International Phonetic Alphabet. Viewing theatrical productions is required.

DRAM 123: Script Analysis for Performance and Design

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course explores the principles, theories, and techniques of play script analysis and script scoring for theatrical production. Students learn how to read and break down a play for textual analysis, script scoring, dramatic structure, imagery, and character development. Students are required to attend live theatrical performances. C-ID THTR-114.

DRAM 126: Shakespearean Acting Lab

Units: 1

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Summer

This lab course focuses on the basics of classical acting techniques, including comprehension and delivery of Shakespeare's works. It includes ensemble work, exercises, games, and the examination of universal themes. Students are required to view theatrical productions.

DRAM 130: Acting I

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on the fundamentals of acting and performance techniques based on Stanislavski's principles. It emphasizes the ability to express thought, emotion, and character through the effective use of voice, movement, and script analysis. Students are required to observe theatrical performances. C-ID THTR-151.

DRAM 131: Audition Preparation for the Stage

Units: 2

Prerequisites: DRAM 130.

Enrollment Limitation: Maximum of four enrollments between DRAM 131 and DRAM 133.

Acceptable for Credit: CSU

Lecture 1 hour, laboratory 3 hours.

Course Typically Offered: Spring

This course teaches theatre audition techniques: monologue and song presentation; staging; cold-reading techniques; self-directed rehearsal; presentation; self-marketing through cover letters, resumes, and headshots; material selection; audition etiquette and professionalism.

DRAM 133: Performance and Design Portfolio Practicum

Units: 1

Prerequisites: None

Enrollment Limitation: Audition and maximum of four enrollments between DRAM 131 and DRAM 133.

Acceptable for Credit: CSU

Laboratory 3 hours.

Course Typically Offered: Spring

This course focuses on the study and practical application of theatre techniques in competitive performance and design. Students enter their performance/design practicum project into a competitive field for evaluation and feedback from outside professionals and educators. At the end of this course, acting/design students prepare a performance work/design portfolio to demonstrate skills and maximize their strengths. Students also compare and contrast their work with peers at other educational institutions and tour other college/university theatre programs in conjunction with the Kennedy Center American College Theater Festival. Students enter this course by audition/interview or nomination by the Kennedy Center American College Theater Festival. (May be repeated three times.)

DRAM 134: Introduction to Performance

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course explores the theories, principles, techniques, and practices of performance. Topics include ritual, play, performativity, performing, performance process, and global and intercultural performances. The classroom experience requires performance application and includes performances to entertain, create beauty, mark or change identity, make or foster community, heal, teach, or persuade. Students are required to perform and to view performances.

DRAM 139: Stage and Concert Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course introduces the skills and procedures involved in stage managing a theatrical, dance, or music production. Through hands-on experience and observation, students learn to develop the knowledge and skills involved in managing a live performance. They also learn how to properly devise and design scheduling systems to prep, organize, and run rehearsals; design and develop a production book and prompt script; run appropriate dimmer and sound checks; design, organize, and format scenic shifts and their execution; and develop systems for calling lighting and sound cues during live performance. Students are required to view two performances.

DRAM 141: Lighting Design for Theatre, Television, and Film

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course introduces students to the technique and practices of theatrical stage lighting and lighting for film and television. It develops skills relative to common applications in these fields. Students engage in both lecture and practice (live or virtually), creating and designing lighting projects in class as well as working on current MiraCosta College Theatre productions. Students evaluate and analyze their skills and creations and critically reflect on their execution. Students are required to view theatrical productions. C-ID THTR-173.

DRAM 146: Costume Design for Theatre, Television, and Film

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course gives students the opportunity to study costume history, design, and basic construction techniques as an introduction to costuming for theatre, television, and film. Students learn about fabrics and conventional and non-conventional costume materials. Students are required to view theatrical productions. C-ID THTR-174.

DRAM 148: Acting for the Camera

Units: 3

Prerequisites: DRAM 130.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course introduces performance for the camera concerning the mediums of film, video, and television. Students examine practical approaches and techniques specifically required for each different medium to provide a comprehensive understanding of the relationship between performance and media.

DRAM 201: Rehearsal and Performance: Dramatic Theatre

Units: 1-3

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 9 hours.

Course Typically Offered: Fall or Spring

This course provides students with the opportunity to perform in non-musical, dramatic theatrical productions. Students are instructed in research, textual analysis, and fundamental basic-to-advanced acting skills required to accomplish dramatic acting techniques. All students participate in the Kennedy Center American College Theater Festival academic theatre competition. The course emphasizes the rehearsal process and culminates in public performances. (May be repeated two times.) C-ID THTR-191.

DRAM 202: Rehearsal and Performance: Comedic Theatre

Units: 1-3

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 9 hours.

Course Typically Offered: Fall or Spring

This course provides students with the opportunity to perform in non-musical, comedic theatrical productions. It provides students with comic devices, physicality, timing, and styles work that is required for the performance of comedic texts. All students participate in the Kennedy Center American College Theater Festival academic theatre competition. The course emphasizes the rehearsal process and culminates in public performances. (May be repeated two times.) C-ID THTR-191.

DRAM 203: Rehearsal and Performance: Classical Theatre

Units: 1-3

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU

Laboratory 9 hours.

Course Typically Offered: Spring

This course allows students to explore a classical theatrical text and the historical context of a chosen play. Students are instructed in the special vocal and movement skills required to accomplish classical acting techniques. All students participate in the Kennedy Center American College Theater Festival academic theatre competition. The course emphasizes the rehearsal process for classical acting and culminates in public performance. (May be repeated two times.) C-ID THTR-191.

DRAM 204: Rehearsal and Performance: Musical Theatre

Units: 1-3

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 9 hours.

Course Typically Offered: Spring

This course provides students with the opportunity to perform in main-stage musical productions. All students participate in the Kennedy Center American College Theater Festival academic theatre competition. The course emphasizes the rehearsal process and culminates in public performances. (May be repeated two times.) C-ID THTR 191.

DRAM 210: Rehearsal and Performance: Technical Theatre

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 9 hours.

Course Typically Offered: Fall, Spring

This course provides students with theatre production experience. All students participate in the Kennedy Center/ American College Theatre Festival academic theatre competition. Production crew positions include stage or house management, construction, scenery, properties, costume, lighting, sound, and running crews. The course emphasizes the rehearsal process and culminates in public performances. Students are required to attend theatrical productions. (May be repeated three times.)

DRAM 222: Introduction to Black Theater

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course explores Black theatre from the pre-Civil War era to the present. It is designed to give students of all backgrounds an introductory understanding of this genre. Topics covered include elements of style, design, and criticism. The course also examines issues of politics, race, and gender in historic and contemporary American theatre.

DRAM 226: Advanced Performance Lab

Units: 1

Prerequisites: DRAM 126.

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Summer

This advanced performance lab course focuses on advanced process and methodology, performance styles, and performance approaches. Students are required to view theatrical performances.

DRAM 227: Dramatic Improvisation

Units: 1

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Summer

Students explore in-depth personal connections to issues, ideas, and themes through dramatic improvisation. These dramatic improvisations stimulate questions about characterization and provide answers toward defining a character's motivations, actions, and traits within these imaginary circumstances. Process drama develops an actor's creativity, positive choice-making, flexibility, and ability to improvise dialogue, act, react, connect, and disconnect in a real, truthful human experience. This advanced course is offered in conjunction with The Actor's Academy.

DRAM 231: Acting II

Units: 3

Prerequisites: DRAM 130.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides an in-depth application of Stanislavski's principles with an emphasis on characterization, scene study, methodology, and process. Acting studies focus on performance from varied acting philosophies (e.g., Meisner, Michael Chekhov, Hagen), styles, and genres. Students are required to observe theatrical performances. (May be repeated one time.) C-ID THTR-152.

DRAM 232: Movement for the Stage

Units: 2

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Lecture 1 hour, laboratory 3 hours.

Course Typically Offered: Summer

This course creates an environment in which students explore dynamic movement. It emphasizes not only physical control, strength, flexibility, and creative imagination but also the integration of mind, body, and emotion. (May be repeated one time.) (Materials Fee: \$20.00)

DRAM 253: Makeup for Theatre, Television, and Film

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall or Spring

This course introduces students to the technique and practices of makeup for theatre, television, and film and develops skills relative to the common applications for stage and film. Students engage in the practice hands-on and create looks ranging from basic corrective makeup to fantasy character creation. Students evaluate and analyze the effectiveness of their makeup, reflect on their skills, produce proper design documentation, and put makeup design and application into practice. (Materials Fee: \$70.00) C-ID THTR-175.

DRAM 256: Stagecraft for Theatre, Television, and Film

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall or Spring

This course introduces students to the technique and practices of stagecraft for theatre, television, and film, and it develops skills relative to the common applications found backstage. Students engage in both lecture and practice, gaining hands-on experience while demonstrating skills learned in course work. Creating scenic environments for current MiraCosta College Theatre productions, students evaluate and analyze the effectiveness of their creations, critically reflect on their skills, and put them into practice. (Materials Fee: \$25.00) C-ID THTR-171.

DRAM 273: Acting, Voice, and Movement Workshop

Units: 1

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Summer

This course explores the study of acting techniques, scene study, ensemble performance, and the development of voice and movement skills. This course culminates in a live theatrical performance.

DRAM 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

DRAM 296: Topics in Dramatic Arts

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Dramatic Arts that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

DRAM 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Earth Sciences

Earth Sciences is an interdisciplinary field that includes astronomy and space science, climatology, geology, physical geography, and oceanography. Students take courses in these areas of study to prepare for a major or to fulfill general education requirements in physical science.

Academic and Career Pathway: Math and Sciences

Contact Information

Chair: Erika Peters(Physical Sciences)

Dean: Michael Fino

<https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/earth-science/index.html>

Department: Physical Sciences

Office: Building OC3600,
760.757.2121 x6924

Full-Time Faculty

Roberto Falero
Eric Snortum
John Turbeville

Courses

EART 106: Earth and Space Science

Units: 3

Prerequisites: None

Enrollment Limitation: not open to students with prior credit in EART 106H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces astronomy, including planetary origin and motions; Earth science, including origin and composition of Earth, landforms, and plate tectonics; atmospheric processes, including climate and weather; Earth's oceans, other bodies of water, and their currents and tides; the hydrologic cycle. UC CREDIT LIMITATION: No credit if taken after a college level course in astronomy, Earth science, or geology.

EART 106H: Earth and Space Science (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: not open to students with prior credit in EART 106.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course offers highly motivated students an enriched introduction to the scientific study of the earth. The course introduces astronomy, including planetary origin and motions; Earth science, including origin and composition of Earth, landforms, and plate tectonics; atmospheric processes, including climate and weather; Earth's oceans, other bodies of water, and their currents and tides; the hydrologic cycle. UC CREDIT LIMITATION: No credit if taken after a college level course in astronomy, Earth science, or geology.

Economics

Economics is the science that examines the production, distribution, and consumption of goods and services as well as the theory and management of economies and economic systems. Students take economics courses to prepare for a major or to fulfill general education requirements. With a bachelor's degree, students have career options in banking, business, management, finance, insurance, real estate, marketing, law, politics, government, journalism, health care, and education.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Lynne Miller

Dean: Michael Fino

<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/economics/index.html>

Department: Social Science

Office: Building OC3600,
760.757.2121 x6924

Full-Time Faculty

Shafin Ali

Courses

ECON 100: Survey of Economics

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course provides a non-technical introduction to economics. Designed for the non-major, it shows the application of basic economic principles to contemporary social issues and public policy. UC CREDIT LIMITATION: No credit if taken after ECON 101 or ECON 102.

ECON 101: Principles of Economics: MACRO

Units: 3

Prerequisites: None

Advisory: MATH 28 or MATH 30.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces the science of economics as applied to the aggregate economy. It emphasizes national income determination, money and banking, monetary and fiscal policies, international economic relationships, and issues associated with economic growth. C-ID ECON-202.

ECON 102: Principles of Economics: MICRO

Units: 3

Prerequisites: None

Advisory: MATH 28 or MATH 30.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This introductory course focuses on choices of individual economic units. Topics include scarcity, opportunity costs, comparative advantage, supply, demand, elasticity, cost theory, and price and output determination under various market structures and factor markets. C-ID ECON 201.

ECON 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Education

The Education discipline offers preparation for multiple- and single-subject teaching credentials as well as introductory courses to assist students in making career choices. A liberal studies major is recommended for students planning to transfer to CSU to earn a multiple-subject (grades K-6) credential. Requirements vary among transfer institutions, so students planning to earn a bachelor's degree and teaching credential should meet with a MiraCosta College counselor early in their first semester to identify courses that will meet requirements for their intended major and transfer institution.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Claudia Flores**Dean:** Al Taccone

<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/education/index.html>

Department: Child

Development

Office: Building OC4800,
760.795.6811

Courses

EDUC 115: Foundations of Teaching as a Profession

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces teaching careers in primary and secondary education and involves 15 hours of supervised fieldwork in community K-12 settings. Topics include the historical, sociological, and philosophical foundations of education; contemporary issues in public education; teaching pedagogy, curriculum, and instruction; teacher and student roles in the teaching/learning process; teacher qualifications and dispositions, California schools, and the credentialing system; and the contributions of culture, ethnicity, race, language, age, gender, sexual orientation, motivation, and learning styles.

EDUC 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

English

The English discipline includes courses in composition, reading, creative writing, and critical thinking. Students take these courses to prepare for a major in English and/or to fulfill general education requirements. A bachelor's degree in English can lead to a career in law, education, journalism, mass media, marketing, public relations, communications, business, or the humanities.

Academic and Career Pathway: Languages, Communication, and Humanities

Contact Information

Chairs: Jacob Strona(Letters, Pre-Transfer), Maria Figueroa(Letters, Transfer)
Dean: Antonio Alarcon
<https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/english/index.html>

Department: Letters, Transfer and Letters, Pre-Transfer
Office: Administration Building, San Elijo Campus, 760.634.7879

Full-Time Faculty

Daniel Ante-Contreras	Curry Mitchell
Anthony Burman	Tyrone Nagai
Zulema Diaz	Dara Perales
Maria Figueroa	JahB Prescott
Teresa Guinon	Aaron Roberts
Kelly Hagen	Violeta Sanchez
Jade Hidle	Jacob Strona
José Jara	Jim Sullivan
John Kirwan	Chad Tsuyuki
Luke Lambert	

Associate Degrees

Associate in Arts Degree

English for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for an English degree, an emphasis or option within an English degree, or a degree considered similar to English at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as an English major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

- ▶ At the conclusion of this program, the student will be able to discern and assess the interconnectedness of literature and human experience, including the ways in which literature defines, shapes, and reflects a culture's values and mores; and write clearly, precisely, and appropriately for a wide range of purposes and audiences.

Required Core: *

ENGL 201	Critical Thinking, Composition, and Literature	4
or ENGL 201H	Critical Thinking, Composition, and Literature (Honors)	

List A: One sequence (6 units) * 6

LIT 250 & LIT 251	American Literature: First Contact Through the Civil War and American Literature: Mid-1800s to the Present	
or LIT 250H & LIT 251H	American Literature: First Contact Through the Civil War (Honors) and American Literature: Mid-1800s to the Present (Honors)	

LIT 260 & LIT 261	English Literature Through the 18th Century and English Literature: Romantic to Contemporary	
or LIT 260H & LIT 261H	English Literature Through the 18th Century (Honors) and English Literature: Romantic to Contemporary (Honors)	

LIT 270 & LIT 271	World Literature to 1600 and World Literature Since 1600	
or LIT 270H & LIT 271	World Literature to 1600 (Honors) and World Literature Since 1600	

List B (6 units): * 6

Any List A course not already used.

ENGL 280	Creative Writing	
LIT 265	Shakespeare Studies	
or LIT 265H	Shakespeare Studies (Honors)	

List C (3-4 units): * 3-4

Any List A or B course not already used.

ENGL 202	Critical Thinking and Composition	
or ENGL 202H	Critical Thinking and Composition (Honors)	
LIT 120	Introduction to Literature	

Total Units **19-20**

* All courses listed, with the exception of ENGL 280, satisfy a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Courses

ENGL 30: Sentence Crafting

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ENGL 40.

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course emphasizes sentence craft and effective communication in prose by reviewing basic grammar conventions while considering different audience expectations and circumstances. Topics include audience awareness, editing strategies, prescriptive versus descriptive conventions, voice, and sentence types. This course is intended for students who want to improve the efficacy and complexity of their prose at the sentence level. (Formerly ENGL 40)

ENGL 50: Introduction to College Composition

Units: 4

Prerequisites: ACE 149, ENGL 49, ESL 149 or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in ACE 150 or ESL 150.

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This course offers intensive practice in the writing process, critical reading, and critical thinking. It also provides practice in acquiring, synthesizing, and communicating information and in applying the principles and conventions of standard edited American English.

ENGL 52: College Composition Skills and Support

Units: 2

Prerequisites: ACE 149, ENGL 49, ESL 149, or eligibility determined by the English placement process

Corequisite: ENGL 100

Enrollment Limitation: Not open to students with prior credit in ACE 150, ENGL 50, or ESL 150.

Lecture 2 hours.

Course Typically Offered: Fall, Spring

This course offers intensive practice in the skills needed to read college-level texts and compose college-level essays. It provides support in developing skills and strategies for success in transfer-level writing classes. Students enrolling in this course must also enroll in ENGL 100.

ENGL 100: Composition and Reading

Units: 4

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Enrollment Limitation: Concurrent enrollment in ENGL 52 or NCENG 52 if prerequisites not met and not open to students with prior credit in ENGL 100H.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This course in critical reading and expository writing offers training in the reading and writing processes, the development and organization of expository prose, and research techniques. The course emphasizes quality in logic and diction. UC CREDIT LIMITATION: Credit for ENGL 100 or ENGL 100H. C-ID ENGL-100.

ENGL 100H: Composition and Reading (Honors)

Units: 4

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in ENGL 100.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This course offers highly motivated students an advanced introduction to critical reading and expository writing through training in reading and writing processes, the development and organization of expository prose characterized by clear logic and appropriate diction, and independent research techniques. UC CREDIT LIMITATION: Credit for ENGL 100 or ENGL 100H. C-ID ENGL-100.

ENGL 201: Critical Thinking, Composition, and Literature

Units: 4

Prerequisites: ENGL 100 or ENGL 100H.

Enrollment Limitation: Not open to students with prior credit in ENGL 201H.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

Designed to continue the critical thinking, reading, and writing practice begun in ENGL 100, this course teaches critical thinking, reading, composition, research, and argument using literature as the basis for analysis. This course is designed for students who seek to satisfy both the full-year composition and the critical-thinking transfer requirements. UC CREDIT LIMITATION: Credit for ENGL 201 or ENGL 201H. C-ID ENGL-110.

ENGL 201H: Critical Thinking, Composition, and Literature (Honors)

Units: 4

Prerequisites: ENGL 100 or ENGL 100H.

Enrollment Limitation: Not open to students with prior credit in ENGL 201.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall or Spring

This course offers enhanced instruction in critical thinking, critical writing, and research using the genres of literature (poetry, drama, short story, and novel). It is intended for highly motivated students who seek to satisfy the full-year composition and critical-thinking transfer requirements. UC CREDIT LIMITATION: Credit for ENGL 201 or ENGL 201H. C-ID ENGL-110.

ENGL 202: Critical Thinking and Composition

Units: 4

Prerequisites: ENGL 100 or ENGL 100H.

Enrollment Limitation: Not open to students with prior credit in ENGL 202H.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This course emphasizes critical thinking, particularly in the reading and writing of argument. Content includes methods of analysis; principles of logic, including the relationship between language and logic; techniques of reasoning, including the use of evidence; techniques of style; and research skills. UC CREDIT LIMITATION: Credit for ENGL 202 or ENGL 202H. C-ID ENGL-105.

ENGL 202H: Critical Thinking and Composition (Honors)

Units: 4

Prerequisites: ENGL 100 or ENGL 100H.

Enrollment Limitation: Not open to students with prior credit in ENGL 202.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall or Spring

This course emphasizes critical thinking, particularly in the reading and writing of argument. Content includes methods of analysis; principles of logic, including the relationship between language and logic; techniques of reasoning, including the use of evidence; techniques of style; and research skills. It is intended for highly motivated students who seek to satisfy the full-year composition and critical-thinking transfer requirements. UC CREDIT LIMITATION: Credit for ENGL 202 or ENGL 202H. C-ID ENGL-105.

ENGL 280: Creative Writing

Units: 3

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on the elements of creative writing, particularly through the study and creation of prose fiction and poetry. It offers practice in various genres and forms, based on instructor approach, and it promotes the writing process through a combination of drafting exercises and revision strategies. Utilizing workshops as the primary mode of instruction, this course offers the opportunity to produce creative works for publication, performance, and/or personal enrichment. C-ID ENGL-200.

ENGL 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

ENGL 296: Topics in English

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in English that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

English as a Second Language

The English as a Second Language (ESL) discipline includes courses in academic writing, reading and vocabulary development, grammar, and speaking and listening skills. Credit ESL courses emphasize critical thinking and clear communication to prepare and support students in all college-level work. The ESL 149 and ESL 150 composition courses are UC/CSU transferable and lead students directly to ENGL 100. All courses are specially designed for students from multilingual/ESL backgrounds and are taught by instructors with specialized training to assist with higher-level academic English skill development. Students build advanced English skills to succeed in all college courses, to earn a degree or certificate, to transfer, or to improve their English skills for success in the workplace or community settings. All credit ESL courses are now available to take as noncredit. Please contact the department chair for more information and learn which option would best meet your needs.

Contact Information

Chair: Mary Gross
Dean: Antonio Alarcon
<https://www.miracosta.edu/academics/degree-and-certificate-programs/esl/index.html>

Department: English as a Second Language
Office: Administration, San Elijo Campus, 760.634.7879

Full-Time Faculty

Mary Gross

Courses

ESL 20: Listening and Speaking for Non-Native Speakers of English

Units: 3

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course emphasizes the development of aural and oral competence in standard American English through listening to and participating in a variety of communicative activities. It offers instruction and practice in listening and speaking skills to develop students' ability to understand and participate in conversations, discussions, and other interpersonal communication in academic, work-related, and social contexts. Practical applications include participating in small group discussions, working on individual pronunciation and intonation variations, and developing academic note taking competence. Offered pass/no pass only.

ESL 30: Reading and Vocabulary Development for Non-Native Speakers of English

Units: 3

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course is designed for non-native speakers who are making the transition to the use of academic English and who require the development of reading and vocabulary skills needed for academic and workplace success. Students read a variety of texts and apply appropriate reading strategies as well as participate in activities to advance vocabulary and facilitate comprehension. Offered pass/no pass only.

ESL 40: Grammar for Non-Native Speakers of English

Units: 3

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course reviews basic grammar for non-native speakers of American English and emphasizes standard usage. Topics include parts of speech, clauses, verb forms and tenses, noun usage, mechanics, punctuation, and sentence types. This course is designed for non-native speakers who are making the transition to the use of academic English and who require the development of grammatical skills for educational and workplace success. Offered pass/no-pass only.

ESL 80: Advanced Grammar for Writing for Non-Native Speakers of English

Units: 3

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course provides instruction and practice in the more complex elements of English grammar and usage in writing for non-native speakers of American English. By developing and refining grammatical skills, students learn to express complex ideas and create engaging, structurally sophisticated sentences in written English. Completion of this course enhances student success in college courses, particularly ENGL 100.

ESL 149: Introduction to Academic Writing for Students from Multilingual Backgrounds

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ACE 149 or ENGL 49.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is designed for students from diverse language backgrounds who are making a transition to the use of academic English and who require the development of writing skills. The course emphasizes critical thinking, reading, and writing. It provides practice in gathering, organizing, and communicating information and in applying the principles and conventions of standard edited American English. UC CREDIT LIMITATION: Credit for ESL 149 or ACE 149.

ESL 150: Introduction to College Composition for Students from Multilingual Backgrounds

Units: 4

Prerequisites: ACE 149, ENGL 49, ESL 149, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in ACE 150 or ENGL 50.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course, designed for students from diverse language backgrounds, offers intensive practice in the writing process, critical reading, and critical thinking. It also provides practice in acquiring, synthesizing, and communicating information and in applying the principles and conventions of standard edited American English. UC CREDIT LIMITATION: Credit for ESL 150 or ACE 150.

Areas of Study & Courses

ESL 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Ethnic Studies

Ethnic Studies is the interdisciplinary study of race and racism and focuses on the histories, experiences, cultures, and issues of underrepresented racial-ethnic groups in the United States. Ethnic Studies, at its core, is defined by its attention to the systemic power relations that arise from institutional, cultural, and global productions of "race." Ethnic Studies also investigates how race/ethnicity intersects with class, gender, colonialism, imperialism, and sexuality in order to help students gain an understanding of historical movements for social transformation, resistance, and liberation. Students take courses to prepare for an Ethnic Studies major or to fulfill general education requirements. Career options include teaching at the high school and college level, social work, non-profit work, human services, counseling, law enforcement, legal professions, and business.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Sean Davis

Dean: Michael Fino

<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/sociology/index.html>

Department: Sociology

Office: Building OC3100,
760.795.6871

Full-Time Faculty

Frank Perez

Courses

ETHN 207: Race and Ethnic Relations

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in SOC 207.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course provides a systematic examination of how race and ethnic relations are affected by the concepts of power, prejudice, ethnocentrism, and racism. It connects historical oppression to current racial and ethnic dynamics in the U.S. The course also studies the institutions and other factors involved in establishing, sustaining, and changing systems of racial and ethnic inequality and how they are connected to class, gender, sexuality, citizenship status, and other intersections. C-ID SOCI-150.

Film

Students take film courses to satisfy general education requirements in arts and humanities and to explore the discipline. Students who earn a bachelor's degree in film at a four-year university pursue careers as filmmakers, editors, digital media artists, film archivists, media educators, film festival curators, script analysts, cinematographers, television producers, and studio executives.

Academic and Career Pathway: Creative and Applied Arts

Contact Information

Chair: Tracy Williams

Dean: Jonathan Fohrman

<https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/film/index.html>

Department: Theatre and Film

Office: Building OC2700,
760.795.6844

Full-Time Faculty

Phillip Boland

Billy Gunn

Associate Degrees

Associate in Science Degree

Film, Television, and Electronic Media for Transfer

The Associate in Science in Film, Television, and Electronic Media for Transfer (AS-T) degree is intended to meet the lower-division requirements for radio-television film, television-film, television, video, film, or electronic arts majors, an emphasis or option within such a major, or a major considered similar to these majors at a participating California State University (CSU) campus. This interdisciplinary program includes a balanced curriculum with course work in both film production and theory.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a

bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a film, television, and electronic media major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82)) * general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to critically evaluate films from a social and cultural perspective, demonstrate knowledge of film theory, and apply appropriate production techniques.

Required Core:

FILM 101	Introduction to Film *	3
or FILM 101H	Introduction to Film (Honors)	

FILM 105	Introduction to Media Writing	3

List A:		7

Select two courses from Area 1 and one course from Area 2.

Area 1: Audio (two courses required)

MTEC 110 & MTEC 120	Recording Arts I and Digital Audio Production I	

Area 2: Video or Film Production (choose one course)

MAT 160	Video 1: Production	
or MAT 200	Video 2: Post-Production and Special Effects	

List B: Select one course. 3

FILM 111	Film History I: 1880-1945 *	
FILM 111H	Film History I: 1880-1945 (Honors) *	
FILM 112	Film History II: 1945-Present *	
FILM 112H	Film History II: 1945-Present (Honors) *	

List C: Select a minimum of three units from courses not used above or from the following list. 3

FILM 106	Study of Filmed Plays *	
FILM 211	Identity and Film: Race, Class, Gender and Sexuality *	
FILM 211H	Identity and Film: Race, Class, Gender and Sexuality (Honors) *	

FILM 212	Women and Film: Representation and Impact *
FILM 212H	Women and Film: Representation and Impact (Honors) *
FILM 292	Internship Studies
DNCE 104	Dance on Film *
COMM 220	Introduction to Mass Communication *

Total Units **19**

* Course satisfies a general education requirement on the CSU-GE or IGETC general education pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Film Studies

The Associate in Arts in Film Studies degree is intended to prepare students who plan on transferring to pursue a bachelor's degree in radio-television film, television-film, television, video, film, or electronic arts, an emphasis or option within such a major, or a major considered similar to these majors. This interdisciplinary program includes a balanced curriculum with coursework in both film theory and production. Students may also need to complete additional requirements or electives required by the transfer institution, as many CSUs and UCs have unique admissions and preparation-for-the-major requirements. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a film major to their desired institution.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, students will be able to critically evaluate films, demonstrate knowledge of film theory, and apply appropriate production techniques.

Required courses:

FILM 101	Introduction to Film	3

or FILM 101H	Introduction to Film (Honors)	

FILM 105	Introduction to Media Writing	3

FILM 111	Film History I: 1880-1945	3

or FILM 111H	Film History I: 1880-1945 (Honors)	

FILM 112	Film History II: 1945-Present	3

or FILM 112H	Film History II: 1945-Present (Honors)	

MAT 160	Video 1: Production	3

MAT 200	Video 2: Post-Production and Special Effects	3

List A: Film Studies		11-12

Select four courses.

FILM 106	Study of Filmed Plays	

FILM 211	Identity and Film: Race, Class, Gender and Sexuality	

or FILM 211H	Identity and Film: Race, Class, Gender and Sexuality (Honors)
FILM 212	Women and Film: Representation and Impact
or FILM 212H	Women and Film: Representation and Impact (Honors)
ART 207	Film Photography I
ART 251	Digital Photography
DRAM 130	Acting I
DRAM 141	Lighting Design for Theatre, Television, and Film
DESN 100	Fundamentals of Design
BUS 155	Business Plan Development
Total Units	
29-30	

Courses

FILM 101: Introduction to Film

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in FILM 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the art of film and the critical vocabulary of film studies through analysis of filmmaking techniques and the meanings they create. It explores film as a synthetic art form by examining the various individuals and elements involved in the production process. Feature, documentary, and genre films may be used to analyze artistic techniques, cultural impact, and socio-political implications. Film viewing is required both inside and outside of class. UC CREDIT LIMITATION: Credit for FILM 101 or FILM 101H.

FILM 101H: Introduction to Film (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in FILM 101.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring, Summer

This honors course offers highly motivated students an enriched introduction to the art of film and the critical vocabulary of film studies. Students examine, research, and present content as they explore film as a synthetic art form. Feature, documentary, and genre films may be used to analyze artistic techniques, cultural impact, and socio-political implications. Film viewing is required both inside and outside of class. UC CREDIT LIMITATION: Credit for FILM 101 or FILM 101H.

FILM 105: Introduction to Media Writing

Units: 3

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

As an introductory entry-level course in writing for film and electronic media, this course introduces students to dramatic storytelling elements including, but not limited to, script format, story structure, character development, tension, conflict, and themes. Upon grasping the basic elements that constitute an effective cinematic narrative, students workshop their original ideas into a completed feature and/or short screenplay.

FILM 106: Study of Filmed Plays

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course explores cinematic adaptations of dramatic literature. Various adaptation theories are used to critically examine how literary and production styles are translated to the language of film. Students engage in structural, character, and thematic analysis through class discussion and written essays. Attendance at public performances is required.

FILM 111: Film History I: 1880-1945

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in FILM 111H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course traces the history of motion pictures from 1880 to 1945 through a critical examination of the technical, aesthetic, social, political, and economic factors that had an impact on this emerging art form. It explores the cinema from its conception as an entertainment novelty, through major international movements of the silent era, to the development of the American studio system, the transition to sound, and the effect of two world wars. UC CREDIT LIMITATION: Credit for FILM 111 or FILM 111H.

FILM 111H: Film History I: 1880-1945 (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in FILM 111.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This honors course offers highly motivated students an enriched exploration of the history of motion pictures from 1880 to 1945 through a critical examination of the technical, aesthetic, social, political, and economic factors that had an impact on this emerging art form. It explores the cinema from its conception as an entertainment novelty, through major international movements of the silent era, to the development of the American studio system, the transition to sound, and the effect of two world wars. UC CREDIT LIMITATION: Credit for FILM 111 or FILM 111H.

FILM 112: Film History II: 1945-Present

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in FILM 112H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course traces the history of motion pictures from 1945 to the present through a critical examination of the technical, aesthetic, social, political, and economic factors that have an impact on production, distribution, and exhibition of film. It explores the cinema of the post-WWII era, through major international movements of the 1950s and 1960s, to the development of the new Hollywood of the 1970s, concluding with the globalization and digitalization of film culture in the twenty-first century. UC CREDIT LIMITATION: Credit for FILM 112 or FILM 112H.

FILM 112H: Film History II: 1945-Present (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in FILM 112.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This honors course offers highly motivated students an enriched exploration of the history of motion pictures from 1945 to the present through a critical examination of the technical, aesthetic, social, political, and economic factors that have an impact on production, distribution, and exhibition of film. It explores the cinema of the post-WWII era, through major international movements of the 1950s and 1960s, to the development of the new Hollywood of the 1970s, concluding with the globalization and digitalization of film culture in the twenty-first century. UC CREDIT LIMITATION: Credit for FILM 112 or FILM 112H.

FILM 211: Identity and Film: Race, Class, Gender and Sexuality

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in FILM 211H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course explores the impact of identity on film as an art form and cultural artifact by confronting ideologies of race, class, gender, and sexual orientation as they are reflected in cinematic representation. American film is used as the primary lens through which to view how social, political, and cultural values have been formulated over the last century. Students analyze major films, figures, character types, and narrative strategies to evaluate the relationship between film and identity. UC CREDIT LIMITATION: Credit for FILM 211 or FILM 211H.

FILM 211H: Identity and Film: Race, Class, Gender and Sexuality (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in FILM 211.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This honors course offers highly motivated students an enriched exploration of the impact of identity on film as an art form and cultural artifact by confronting ideologies of race, class, gender, and sexual orientation as they are reflected in cinematic representation. American film is used as the primary lens through which to view how social, political, and cultural values have been formulated over the last century. Students analyze major films, figures, character types, and narrative strategies to evaluate the relationship between film and identity. UC CREDIT LIMITATION: Credit for FILM 211 or FILM 211H.

FILM 212: Women and Film: Representation and Impact

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in FILM 212H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This course explores the significant, and frequently unrecognized, role of women in film. It investigates cinematic history and artifacts through the lens of feminist theory in order to critically examine the various ways women have been both (mis)represented in a male-dominated industry and participated in the art of filmmaking. Students discuss key individuals in film history and a variety of genres to explore the social, political, and cultural impact of women in film. UC CREDIT LIMITATION: Credit for FILM 212 or FILM 212H.

FILM 212H: Women and Film: Representation and Impact (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in FILM 212.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This honors course offers highly motivated students an enriched exploration of the significant, and frequently unrecognized, role of women in film. It investigates cinematic history and artifacts through the lens of feminist theory in order to critically examine the various ways women have been both (mis)represented in a male-dominated industry and participated in the art of filmmaking. Students discuss key individuals in film history and a variety of genres to explore the social, political, and cultural impact of women in film. UC CREDIT LIMITATION: Credit for FILM 212 or FILM 212H.

FILM 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

FILM 296: Topics in Film

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Film that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

French

The International Languages Department offers courses that provide the foundation for French language study. They also satisfy either the humanities requirement for general education or the proficiency requirement in an international language when required for transfer. A bachelor's degree in an international language such as French can lead to a career in advertising, broadcasting, consulting, translating, teaching, international service, public relations, social work, and sales.

Note: Students educated in a non-English speaking country through high school or equivalent will generally not earn lower-division transfer credit in their language at most universities. Students who might be affected by this rule should consult a counselor and/or the International Languages Department Chair before enrolling in their courses.

Academic and Career Pathway: Languages, Communication, and Humanities

Contact Information

Chair: Cristina Toharia

Dean: Jonathan Fohrman

<https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/french/index.html>

Department: International Languages

Office: Building OC2700, 760.795.6844

Full-Time Faculty

Cristina Toharia

Associate Degrees

Associate in Arts Degree

French

The French program offers lower-division preparation for students who plan on transferring to pursue a bachelor's degree in French. Students planning to transfer and/or earn this associate degree may also need to complete additional requirements or electives required by the transfer institution, as many CSUs and UCs have unique admissions and preparation-for-the-major requirements. Students should meet with a MiraCosta College counselor to identify required courses and to develop a written plan for their targeted university.

To earn this associate degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete a general education pattern of courses (see Associate Degrees (p. 67)).
- ▶ Obtain a minimum GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to effectively communicate in the French language, demonstrating an understanding of cultural differences as related to personal and cultural topics as well as social issues.

Required courses:		
FREN 101	Elementary French (First Semester) *	4
FREN 102	Elementary French (Second Semester)	4
FREN 201	Intermediate French (Third Semester)	4
FREN 202	Intermediate French (Fourth Semester)	4
List A. Select one course (3-4 units):		3-4
Students placing out of FREN 101, FREN 102, FREN 201, or FREN 202 by departmental approval, prerequisite satisfaction, or Advanced Placement scores shall use additional courses from List A to earn a total of 18 semester units in the major (Title 5, section 55063).		
ART 259	History of Renaissance to Modern Art	
COMM 215	Intercultural Communication	
FREN 121	Introduction to French Culture	
ITAL 101	Elementary Italian (First Semester)	
ITAL 102	Elementary Italian (Second Semester)	
ITAL 103	Elementary Italian for Spanish Speakers (First Semester)	
SPAN 101	Elementary Spanish (First Semester)	
SPAN 102	Elementary Spanish (Second Semester)	
Total Units		19-20

* Students who have completed two years of high school French or who demonstrate proficiency do not need to enroll in FREN 101 and can start with FREN 102. Units awarded for AP exams will be based on the minimum semester admission units for all California State University (CSU) campuses as determined by the CSU and referenced in the AP chart (p. 34).

Certificate of Achievement

French

This certificate provides students with a solid introduction to French language skills and to important features of French and Francophone culture. Completion of the certificate benefits students who are interested in learning about and effectively interacting with French culture and society. Students take the required language courses in the given sequence.

Program Student Learning Outcome Statement

Upon completion of this program, the student will be able to:

- ▶ communicate in the French language at the Intermediate High level of ACTFL (American Council on the Teaching of Foreign Languages).
- ▶ demonstrate awareness and appreciation of cultural differences of within French speaking communities.

Required courses:

FREN 101	Elementary French (First Semester)	4
FREN 102	Elementary French (Second Semester)	4
FREN 201	Intermediate French (Third Semester)	4
FREN 202	Intermediate French (Fourth Semester)	4

Total Units **16**

NOTE: Students placing out of a course by prerequisite satisfaction should consult with the department to substitute another course for completion of the certificate.

Courses**FREN 101: Elementary French (First Semester)**

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in FREN 102, FREN 201, or FREN 202.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This introductory course develops French language acquisition through listening, speaking, reading, and writing. It covers basic French pronunciation, vocabulary, and grammar. The course also provides for increased awareness of the Francophone world's history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the first two years of high school French.

FREN 102: Elementary French (Second Semester)

Units: 4

Prerequisites: FREN 101 or two years of high school French with a "C" or better.

Enrollment Limitation: Not open to students with prior credit in FREN 201 or FREN 202.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course continues to develop French language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in FREN 101, and it develops the student's ability to engage in casual conversation, express opinions, and make suggestions in French. The course also provides for increased awareness of the francophone world's history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the third year of high school French.

FREN 121: Introduction to French Culture

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course introduces students of French to various aspects of French and Francophone culture and civilization. Areas of study include history, music, literature, philosophy, political ideas, customs, and France's influence in the Americas, Africa, and Asia. The course examines the present and future of the Francophone world in general and does not require prior study of the French language or culture.

FREN 201: Intermediate French (Third Semester)

Units: 4

Prerequisites: FREN 102 or three years of high school French with a "C" or better.

Enrollment Limitation: Not open to students with prior credit in FREN 202.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course continues to develop French language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in FREN 101 and 102, and it develops the student's ability to engage in casual conversation, express opinions, and make suggestions in French. The course also provides for increased awareness of the French-speaking world's history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the fourth year of high school French.

FREN 202: Intermediate French (Fourth Semester)

Units: 4

Prerequisites: FREN 201 or four years of high school French with a "C" or better.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Spring even years

This course continues to develop French language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in FREN 201. It also develops the student's ability to express opinions and make recommendations in French-language debates and discussions. The course provides for increased awareness of the French-speaking world's history, geography, and customs, including its socio-political practices and cultural artifacts through extensive reading and writing assignments as well as oral presentations.

FREN 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

FREN 296: Topics in French

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in French that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Geography

Geography is the study of the earth, including the distribution and interconnectedness of all natural and cultural phenomena, and how places are particular expressions of nature and culture. Students take courses to prepare for a major in geography or to fulfill general education requirements. With a bachelor's degree, students find career options in teaching and research, natural resource management, meteorology (weather), cartography (map-making), urban/regional planning, location analysis, and geographic information system (GIS) work.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Erika Peters(Physical Sciences)
Dean: Michael Fino
<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/geography/index.html>

Department: Physical Science
Office: Building OC3600,
 760.757.2121 x6924

Full-Time Faculty

Taya Lazootin

Courses

GEOG 101: Physical Geography

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces the science of the natural environment from a spatial perspective. It examines processes, distributions, and interrelationships of climate, water, life forms, soil, and landforms and their significance in environmental issues.

GEOG 101L: Physical Geography Laboratory

Units: 1

Prerequisites: GEOG 101.

Enrollment Limitation: Concurrent enrollment in GEOG 101 if prerequisite not met.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is intended to accompany GEOG 101. It emphasizes map reading and the collection, presentation, and interpretation of physical geographic data. C-ID GEOG-111.

GEOG 102: Cultural Geography

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course takes a broad view of geographic patterns of human behavior, including the development, distribution, ecological relationships, and landscapes of cultural features and processes, at scales ranging from local to global. Topics include population dynamics, economic activity, politics, language, religion, folk and popular culture, ethnicity, and urban settlement. C-ID GEOG-120.

GEOG 104: World Geography

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This global survey course examines the distinguishing features of major culture regions and the interrelationships among culture regions set in the context of physical and human geography. Principal areas of focus include economic development, geopolitics, ecological relationships, socio-cultural issues, and globalization. C-ID GEOG-125.

GEOG 108: Environmental Sustainability and Society

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course examines a broad range of environmental issues from multiple perspectives by using a geographic framework to study natural resources and environmental degradation in relationship to politics, economics, ethics, and other socio-cultural processes. It addresses the basic science behind environmental issues while emphasizing the social dimensions of problems and sustainable solutions. Topics include basics of physical geography and demography, exploitation of water, mineral, energy, and biological resources, and the degradation of life, land, water, and air, including climate change.

GEOG 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

GEOG 296: Topics in Geography

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Geography that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Geology

Geology is the scientific study of the origin, history, and structure of the earth. Students take courses to prepare for a major in geology and to fulfill general education requirements.

There are many employment opportunities with a bachelor's degree in geology; students find career options within private corporations (such as petroleum, mining, engineering, hydrology, and environmental consulting companies), government agencies (such as the U.S. Geological Survey, the California Department of Conservation, and regional planning offices), and education.

Academic and Career Pathway: Math and Sciences

Contact Information

Chair: Erika Peters(Physical Sciences)

Dean: Michael Fino

<https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/geology/index.html>

Department: Physical Sciences

Office: Building OC3600,
760.757.2121 x6924

Full-Time Faculty

Roberto Falero

Eric Snortum

John Turbeville

Courses

GEOL 101: Physical Geology

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in GEOL 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

Physical geology introduces the processes at work changing the earth today. Within the context of global tectonics, it explores the origins of rocks and minerals and the dynamics of processes, such as igneous activity, seismicity, and crustal deformation, driven by the release of Earth's internal heat. It also examines how air, water, and ice move in response to gravity and energy from the sun, sculpting Earth's surface by eroding, transporting, and depositing weathered rock materials. UC CREDIT LIMITATION: Credit for GEOL 101 or GEOL 101H. C-ID GEOL-100.

GEOL 101H: Physical Geology (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in GEOL 101.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This course introduces the processes at work changing the earth today. Within the context of global tectonics, it explores the origins of rocks and minerals and the dynamics of processes, such as igneous activity, seismicity, and crustal deformation, driven by the release of Earth's internal heat. It also examines how air, water, and ice move in response to gravity and energy from the sun, sculpting Earth's surface by eroding, transporting, and depositing weathered rock materials. This honors course offers highly motivated students the opportunity to complete, document, and discuss independent scientific research. UC CREDIT LIMITATION: Credit for GEOL 101 or GEOL 101H. C-ID GEOL-100.

GEOL 101L: Physical Geology Laboratory

Units: 1

Prerequisites: GEOL 101 or GEOL 101H.

Enrollment Limitation: Concurrent enrollment in GEOL 101 or GEOL 101H if prerequisite not met. Not open to students with prior credit in GEOL 101LH.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course, which is intended to accompany GEOL 101 or GEOL 101H, provides hands-on experience in identifying mineral samples, rock samples, and fossils, interpreting geologic and topographic data from various maps, and analyzing geologic exposures. Field trips to study local geology are required. UC CREDIT LIMITATION: Credit for GEOL 101L or GEOL 101LH. C-ID GEOL-100L.

GEOL 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

German

The International Languages Department offers courses that provide the foundation for German language study. These courses also satisfy either the humanities requirement for general education or the proficiency requirement in an international language when required for transfer. A bachelor's degree in an international language such as German can lead to a career in advertising, broadcasting, consulting, translating, teaching, international service, public relations, social work, and sales.

Note: Students educated in a non-English speaking country through high school or equivalent will generally not earn lower-division transfer credit in their language at most universities. Students who might be affected by this rule should consult a counselor and/or the International Languages Department Chair before enrolling in their language courses.

Academic and Career Pathway: Languages, Communication, and Humanities

Contact Information

Chair: Cristina Toharia**Dean:** Jonathan Fohrman

<https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/german/index.html>

Department: International Languages

Office: Building OC2700,
760.795.6844

Courses

GRMN 101: Elementary German (First Semester)

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in GRMN 102, or GRMN 201.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This introductory course develops German language acquisition through listening, speaking, reading, and writing. It covers basic German pronunciation, vocabulary, and grammar. It also explores the history, geography, and customs of the German-speaking countries. This course corresponds to the first two years of high school German.

GRMN 102: Elementary German (Second Semester)

Units: 4

Prerequisites: GRMN 101 or two years of high school German with a "C" or better.

Enrollment Limitation: Not open to students with prior credit in GRMN 201.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Spring

This course continues to develop German language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in GRMN 101, and it develops the student's ability to engage in casual conversation, express opinions, and make suggestions in German. The course also provides for increased awareness of the German-speaking world's history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the third year of high school German.

GRMN 121: Introduction to German Culture

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course introduces students to various aspects of German culture and civilization. Areas of study include history, music, literature, philosophy, political ideas, customs, and Germany's influence on and contribution to the civilization of America and the world. The course does not require prior study of the German language or culture.

GRMN 201: Intermediate German (Third Semester)

Units: 4

Prerequisites: GRMN 102 or three years of high school German with a "C" or better.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall odd years

This course continues to develop German language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in GRMN 101 and GRMN 102, and it develops the student's ability to engage in casual conversation, express opinions, and make suggestions in German. The course also provides for increased awareness of the German history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the fourth year of high school German.

GRMN 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Gerontology

Gerontology is a multidisciplinary study of the human aging process. It examines the physiological, psychological, and social aspects of aging as well as how an aging population affects contemporary society. Professionals work for community and human service organizations; retirement communities; federal, state, and local government agencies; educational and research institutions; and related organizations that work either directly or indirectly with aging adults.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Krista Byrd

Dean: Michael Fino

<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/gerontology/index.html>

Department: Psychology

Office: Building OC3100, 760.795.6871

Associate Degree

Associate in Arts Degree

Gerontology

The Gerontology program offers lower-division preparation for students who plan on transferring to pursue a bachelor's degree in gerontology. Students planning to transfer and/or earn this associate degree may also need to complete additional requirements or electives required by the transfer institution, as many CSUs and UCs have unique admissions and preparation-for-the-major requirements. Students should meet with a MiraCosta College counselor to identify required courses and to develop a written plan for their targeted university.

To earn this associate degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete a general education pattern of courses (see Associate Degrees (p. 67)).
- ▶ Obtain a minimum GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to evaluate the differing needs of the elderly based on age, health, sex, race, ethnicity, and class.

Required courses:

GERO 101	Introduction to Aging	3
Part A: Elective Courses - Select a minimum of 6 units of the following courses.		6
COMM 215	Intercultural Communication	
GERO 130	Caregiving: Techniques for Working with the Frail Elderly	
GERO 250	Intergenerational Issues	
GERO 292	Internship Studies	
HEAL 101	Principles of Health	
NURS 60	Certified Nursing Assistant	
NUTR 125	Nutrition and Aging	
PSYC/SOC 145	Psychology/Sociology of the Family	
PSYC 170	Psychology of Aging: Adult Development and Aging	
Part B: Elective Courses - Select a minimum of 9 units from the following list, including any courses listed above not used for Part A.		9

BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)	
or BIO 111 & 111L	Introductory Biology: Preparation for Pre-Health Professions (Lecture) and Introductory Biology: Preparation for Pre-Health Professions (Lab)	
BIO 220	Human Physiology	
COMM 207	Interpersonal Communication	
PSYC 101	General Psychology	
or PSYC 101H	General Psychology (Honors)	
PSYC/SOC 103	Social Psychology	
PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
Total Units		18

Certificates

Certificate of Proficiency

Optimal Aging and Older Adulthood

This program provides a multidisciplinary study of the theories and factors related to optimal aging and improved functioning in older adulthood. The certificate emphasizes optimal aging, starting with young adulthood and continuing through older adulthood, in recognition that cognitive, social, and biological factors influence a person's longevity, healthcare requirements, and quality of life.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to address several factors (e.g., physical health, mental health, exercise, nutrition, the normal aging process, etc.) affecting optimal aging and older adulthood functioning.

Required courses:		
GERO 101	Introduction to Aging	3
Required Electives:		
Part A (Choose one course):		3
KINE 210	Exercise Prescription for Special Populations	
NUTR 125	Nutrition and Aging	
PSYC 170	Psychology of Aging: Adult Development and Aging	
Part B (Select a minimum of 6 units from the following list, including any courses listed above not used in Part A):		6
HEAL 101	Principles of Health	
HEAL 222	Stress Management	
KINE 204	Techniques and Analysis of Fitness and Weight Training	
NUTR 100	Nutrition Today	
or NUTR 100H	Nutrition Today (Honors)	
Total Units		12

Courses

GERO 101: Introduction to Aging

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces the interdisciplinary field of gerontology and the study of aging, with an emphasis on biology/physiology, psychology, and sociology. It emphasizes the impact of increased life expectancy and aging on individuals, families, and health care providers and systems. Topics include factors linked to gender, race, ethnicity, and cultural diversity as well as changes and challenges for social and public services, public policy, and the politics of aging. Gerontology is a growing field with practical applications in health care, fitness and wellness, social work, and social services.

GERO 130: Caregiving: Techniques for Working with the Frail Elderly

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Spring odd years

This course provides practical and theoretical information on age-related physical and cognitive changes and how to work with the elderly who are frail due to advanced age and/or chronic illness. It explores cultural diversity and its affect on caregiving, health consequences of caregiving, and available community resources. This course is specifically targeted for students interested in working in the field of aging or those who are caregivers for family members.

GERO 250: Intergenerational Issues

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This course examines interpersonal relations between older adults and other age groups in the United States. It explores policies and related programs that impact intergenerational relationships and care-giving interactions. It highlights societal, cultural perspectives and issues and real-world outcomes.

GERO 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

GERO 296: Topics in Gerontology

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Gerontology that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Health Education

The Health Education program offers courses for students planning to transfer in a variety of health-related fields as well as for students needing to fulfill general education requirements. Career opportunities include teaching; health care administration; federal, state, and local health care agency work (such as for the County Health Department, Cal OSHA, and the Environmental Protection Agency); and health care and education in the private sector.

Academic and Career Pathway: Health Sciences

Contact Information

Chair: Casey McFarland

Dean: Al Taccone

<https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/health-education/index.html>

Department: Kinesiology, Health and Nutrition

Office: Building OC4800, 760.795.6811

Full-Time Faculty

Robert Fulbright

Casey McFarland

Gail Meinhold

Associate Degrees

Associate in Science Degree

Public Health Science for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a public health science degree, an emphasis or option within a public health science degree, or a degree considered similar to public health science at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a public health science major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

Upon successful completion of this program, students will be able to

- ▶ relate and apply the key theories and concepts of public health to advanced academic study.

Required courses:

HEAL 101	Principles of Health *	3
HEAL 180	Introduction to Public Health	3
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab) *	3-4
or BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	
CHEM 150	General Chemistry I: For Science Majors *	5
or CHEM 150H	General Chemistry I: For Science Majors (Honors)	
PSYC 101	General Psychology *	3

or PSYC 101H	General Psychology (Honors)	
BIO 210	Human Anatomy	4
or BIO 210H	Human Anatomy (Honors)	
BIO 220	Human Physiology *	4
BUS 204	Business Statistics *	3-4
or BTEC 180	Biostatistics	
or MATH 103	Statistics	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOC 125	Introduction to Statistics in Sociology	
List A: Select one course.		3
ECON 101	Principles of Economics: MACRO *	
ECON 102	Principles of Economics: MICRO *	
NUTR 100	Nutrition Today *	
NUTR 100H	Nutrition Today (Honors) *	
PSYC 115	Human Sexuality *	
SOC 101	Introduction to Sociology *	
SOC 101H	Introduction to Sociology (Honors) *	
Total Units		31-33

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: BIO 111, CHEM 150H, PSYC 101H, and all of the statistics courses listed are also GE courses.

NOTE: To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement. Students are strongly advised to complete the CSU History, Constitution, and American Ideals graduation requirement prior to transfer.

Courses

HEAL 101: Principles of Health

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course focuses on the exploration of major health issues and behaviors in the various dimensions of health. It emphasizes individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include exercise, weight control, nutrition, mental health, stress management, violence, substance abuse, reproductive health, human sexuality, disease prevention, aging, and environmental hazards and safety. C-ID PHS-100.

HEAL 180: Introduction to Public Health

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces the public health discipline and the factors that influence health and disease from a population-based perspective. It provides an overview of public health profession functions and institutions as well as an in-depth examination of the core public health disciplines. Topics include the epidemiology of infectious and chronic diseases; prevention and control of diseases; social determinants of health; illness and health disparities among various populations; community organizing and health promotion programming; environmental health and safety; global health; healthcare policy; and career opportunities in public health. C-ID PHS-101.

HEAL 200: First Aid and Safety

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Fall, Spring

This course acquaints the individual with emergency first aid procedures. It teaches the knowledge and skills needed to give immediate care to an injured or ill person and to decide whether advanced medical care is needed. Topics include musculoskeletal injuries, controlling external bleeding, burns, breathing emergencies, diabetic emergencies, seizures, fainting, epilepsy, stroke, and environmental emergencies. Students who successfully pass all first aid requirements have the opportunity to become certified in first aid by the American Red Cross (valid for 2 years).

HEAL 201: CPR and AED

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Fall, Spring

This course prepares students to perform high-quality cardiopulmonary resuscitation (CPR) skills consistent with the American Heart Association (AHA) Basic Life Support (BLS) course. The AHA BLS course is designed for healthcare professionals and other personnel who need to know how to perform CPR and other basic cardiovascular life support skills in a wide variety of in-facility and prehospital settings. The AHA BLS course trains participants to promptly recognize several life-threatening emergencies, give high-quality chest compressions, deliver appropriate ventilations, and provide early use of an automated external defibrillator (AED). Students who successfully pass all CPR/AED requirements have the opportunity to receive an AHA BLS Provider course completion card (valid for 2 years).

HEAL 205: Integrative Health and Wellness

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces evidence-based integrative approaches to health and wellness that consider the whole person-body, mind, and spirit. The course is broken into six parts: characteristics of integrative medicine; mind-body sciences; integrative nutrition; botanicals/herbal medicine and aromatherapy/essential oils; energy therapies, manual healing, and yoga; and future expectations of integrative health. All topics are informed by science and follow the scientific method. Students develop a preliminary portfolio in a selected area of integrative health and wellness.

HEAL 222: Stress Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the concepts of stress management and prevention. It emphasizes the analysis of stressful events, application of appropriate techniques, and development and implementation of a stress reduction/prevention plan. Topics include the physiology of the stress response, adaptive and maladaptive behaviors, stress-prevention strategies, stress-reduction techniques, and how to implement a self-care stress-reduction plan.

HEAL 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

HEAL 296: Topics in Health

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Health that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

HEAL 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Occupational Cooperative Work Experience Education is intended for students employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

History

The study of history is the endeavor to understand the present by becoming knowledgeable about the past. This knowledge is crucial to the development of an informed citizenry, which is an essential component of California State University's American Institutions and Ideals requirement. As the context of all human activity, history gives students the depth needed to understand society and their place in it. Students may take courses to prepare for a major in history or to fulfill general education requirements. A bachelor's degree in history can lead to a career in business administration, law, teaching, social services, journalism, finance, law enforcement, public relations, advertising, or government service.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Robert Bond
Dean: Antonio Alarcon
<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/history/index.html>

Department: History
Office: Building OC3100,
 760.795.6871

Full-Time Faculty

Robert Bond
 Brad Byrom
 Lesley Doig

Lisa M. Lane
 Christopher Sleeper

Associate Degrees

Associate in Arts Degree

History for Transfer

Students completing this associate degree will have completed lower-division major preparation for a history degree, an emphasis or option within a history degree, or a degree considered similar to history at a California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a history major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

Upon completion of this program, the student will be able to

- ▶ construct a historical thesis that could be supported by selected primary sources from the era covered by the course.
- ▶ articulate the causal and/or consequential elements of an event from the era covered by the course.

Required Core: 6 units

HIST 110	United States History to 1877 **	3
or HIST 110H	United States History to 1877 (Honors)	

HIST 111	United States History Since 1877 **	3
or HIST 111H	United States History Since 1877 (Honors)	
List A: 6 units. Select Group 1 or Group 2.		6
Group 1 *		
HIST 100	World History to 1500 **	
or HIST 100H	World History to 1500 (Honors)	
HIST 101	World History Since 1500 **	
or HIST 101H	World History Since 1500 (Honors)	
Group 2		
HIST 103	Early European History and Culture **	
or HIST 103H	Early European History and Culture (Honors)	
HIST 104	Modern European History and Culture **	
or HIST 104H	Modern European History and Culture (Honors)	
List B: 6-7 units. Select one course from each Area.		6-7
Area 1: 3-4 units. *		
FREN 101	Elementary French (First Semester)	
FREN 102	Elementary French (Second Semester)	
FREN 201	Intermediate French (Third Semester)	
FREN 202	Intermediate French (Fourth Semester)	
GRMN 101	Elementary German (First Semester)	
GRMN 102	Elementary German (Second Semester)	
GRMN 201	Intermediate German (Third Semester)	
HIST 102	History of the Modern Middle East	
or HIST 102H	History of the Modern Middle East (Honors)	
HIST 107	East Asian Societies	
HIST 115	Women in American History	
or HIST 115H	Women in American History (Honors)	
HIST 116	History of the Americas to 1830 **	
or HIST 116H	History of the Americas to 1830 (Honors)	
HIST 117	History of the Americas Since 1830 **	
or HIST 117H	History of the Americas Since 1830 (Honors)	
HIST 141	Mexican American History Through 1877 **	
or HIST 141H	Mexican American History Through 1877 (Honors)	
HIST 142	Mexican American History Since 1877 **	
or HIST 142H	Mexican American History Since 1877 (Honors)	
HIST 145	African American History to 1877 **	
or HIST 145H	African American History to 1877 (Honors)	
HIST 146	African American History Since 1877 **	
or HIST 146H	African American History Since 1877 (Honors)	

Areas of Study & Courses

ITAL 101	Elementary Italian (First Semester)
ITAL 102	Elementary Italian (Second Semester)
ITAL 103	Elementary Italian for Spanish Speakers (First Semester)
ITAL 201	Intermediate Italian (Third Semester)
ITAL 202	Intermediate Italian (Fourth Semester)
JAPN 101	Elementary Japanese (First Semester)
JAPN 102	Elementary Japanese (Second Semester)
JAPN 201	Intermediate Japanese (Third Semester)
JAPN 202	Intermediate Japanese (Fourth Semester)
SPAN 101	Elementary Spanish (First Semester)
SPAN 102	Elementary Spanish (Second Semester)
SPAN 201	Intermediate Spanish (Third Semester)
SPAN 202	Intermediate Spanish (Fourth Semester)

Area 2: 3 units.

Any history course not used above.

HIST 102 or HIST 102H	History of the Modern Middle East History of the Modern Middle East (Honors)
HIST 105 or HIST 105H	History of England History of England (Honors)
HIST 106 or HIST 106H	History of Technology History of Technology (Honors)
HIST 107	East Asian Societies
HIST 115 or HIST 115H	Women in American History Women in American History (Honors)
HIST 116 or HIST 116H	History of the Americas to 1830 ** History of the Americas to 1830 (Honors)
HIST 117 or HIST 117H	History of the Americas Since 1830 ** History of the Americas Since 1830 (Honors)
HIST 141 or HIST 141H	Mexican American History Through 1877 ** Mexican American History Through 1877 (Honors)
HIST 142 or HIST 142H	Mexican American History Since 1877 ** Mexican American History Since 1877 (Honors)
HIST 145 or HIST 145H	African American History to 1877 ** African American History to 1877 (Honors)
HIST 146 or HIST 146H	African American History Since 1877 ** African American History Since 1877 (Honors)
HIST 165	California History

Total Units

18-19

* List A, Group 1 courses are preferred by San Diego State University; List B, Area 1 language courses are preferred by San Diego State University.

** CSU San Marcos requires 12 units of history courses for required major preparation. These courses can be used to meet that requirement and should be part of the selected courses for this degree. For more information on this major at CSUSM, please refer to the articulation agreement at assist.org.

All courses listed above can also be used in specific general education categories on the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82)) general education patterns. To ensure this degree is completed with no more than 60 units, students should select courses for required general education categories that may also be used to complete the degree requirements.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Courses

HIST 100: World History to 1500

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 100H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course traces the historical development of the world to 1500. It emphasizes the interaction between the environment and people, the development of religious and philosophical systems, and the internal evolution and interaction within and among cultures. Students experience a variety of learning techniques designed to promote greater cross-cultural understanding. UC CREDIT LIMITATION: Credit for HIST 100 or HIST 100H. C-ID HIST-150.

HIST 100H: World History to 1500 (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 100.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course emphasizes the historical interaction between the environment and people, the development of religious and philosophical systems, and the internal evolution and interaction within and among cultures from early civilizations to 1500. As an honors course, it offers an enriched experience for highly motivated students through challenging course work, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for HIST 100 or HIST 100H. C-ID HIST-150.

HIST 101: World History Since 1500

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course traces the historical development of the world since 1500. It emphasizes the relationship between technology and society, the development of rationalism and imperialism, and the movement toward independent nationhood and global interdependence. UC CREDIT LIMITATION: Credit for HIST 101 or HIST 101H. C-ID HIST-160.

HIST 101H: World History Since 1500 (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 101.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course emphasizes the historical interaction between the environment and people, the development of religious and philosophical systems, and the internal evolution and interaction within and among cultures from 1500 to present. As an honors course, it offers an enriched experience for highly motivated students through challenging course work, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for HIST 101 or HIST 101H. C-ID HIST-160.

HIST 102: History of the Modern Middle East

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 102H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course surveys of modern Middle Eastern history from Napoleon's invasion of Egypt in 1798 until the present time. Topics include the Ottoman Empire, World War One and the making of the modern Middle East, the Arab/Palestinian-Israeli conflict, Islamist movements, the Iranian Revolution, the U.S. in the Middle East, and the Arab uprisings in the early twenty-first century. The course emphasizes giving students the necessary historical background to understand current events in the Middle East. UC CREDIT LIMITATION: Credit for HIST 102 or HIST 102H.

HIST 102H: History of the Modern Middle East (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 102.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall odd years

This course surveys modern Middle Eastern history from Napoleon's invasion of Egypt in 1798 until the present time. Topics include the Ottoman Empire, World War One and the making of the modern Middle East, the Arab/Palestinian-Israeli conflict, Islamist movements, the Iranian Revolution, the U.S. in the Middle East, and the Arab uprisings in the early twenty-first century. The course emphasizes giving students the necessary historical background to understanding current events in the Middle East. As an honors course, it offers an enriched experience for highly motivated students through challenging course work, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for HIST 102 or HIST 102H.

HIST 103: Early European History and Culture

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 103H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers the history of Western civilization from earliest times to 1648 with an emphasis on Western culture and humanities. It explores social, economic, political, and artistic trends as well as the history of gender, sexuality, and ideas during the ancient and medieval eras. UC CREDIT LIMITATION: Credit for HIST 103 or HIST 103H. C-ID HIST-170.

HIST 103H: Early European History and Culture (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 103.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers the history of Western civilization from earliest times to 1648 with an emphasis on Western culture and humanities. As an honors course, it offers an enriched experience for highly motivated students through challenging course work, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for HIST 103 or HIST 103H. C-ID HIST-170.

HIST 104: Modern European History and Culture

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 104H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers the history of Western civilization from 1648 to contemporary times with an emphasis on Western culture and humanities. It explores social, economic, political, intellectual, and artistic trends as well as the history of gender, sexuality, and culture during the early modern, modern, and contemporary eras. UC CREDIT LIMITATION: Credit for HIST 104 or HIST 104H. C-ID HIST-180.

HIST 104H: Modern European History and Culture (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 104.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers the history of Western civilization from 1648 to contemporary times with an emphasis on Western culture and humanities. As an honors course, it offers an enriched experience for highly motivated students through challenging course work, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for HIST 104 or HIST 104H. C-ID HIST-180.

HIST 105: History of England

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 105H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course examines the cultural, social, political, economic, intellectual, and diplomatic history of England from earliest times to the present. Topics include the creation of Britain, Viking and Roman influence, feudalism, commercialism, empire, world wars, Soviet relations, and contemporary developments. UC CREDIT LIMITATION: Credit for HIST 105 or HIST 105H.

HIST 105H: History of England (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 105.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course examines the cultural, social, political, economic, intellectual, and diplomatic history of England from earliest times to the present. As an honors course, it offers an enriched experience for highly motivated students through challenging course work, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for HIST 105 or HIST 105H.

HIST 106: History of Technology

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 106H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course introduces the history of technology in the West from early societies through modern times. It discusses technology as an expression of society and a response to environmental, economic, social, and political forces. The course applies historical techniques to the study of technology and its impact. UC CREDIT LIMITATION: Credit for HIST 106 or HIST 106H.

HIST 106H: History of Technology (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 106.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course introduces the history of technology in the west from early societies through modern times. It discusses technology as an expression of society and a response to environmental, economic, social, and political forces. As an honors course, it offers an enriched experience for highly motivated students through challenging course work, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for HIST 106 or HIST 106H.

HIST 107: East Asian Societies

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course surveys East Asian history from its earliest origins to the present. It examines the social, political, and economic foundations of China, Japan, and Korea and their connection to other countries in the region using historical, religious, and literary documents.

HIST 110: United States History to 1877

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 110H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers the history of the United States from the early cultures to Reconstruction. It emphasizes political, economic, social, and cultural developments. UC CREDIT LIMITATION: Credit for one series: HIST 110/HIST 110H & HIST 111/HIST 111H; HIST 141/HIST 141H & HIST 142/HIST 142H; or HIST 145/HIST 145H & HIST 146/HIST 146H. C-ID HIST-130.

HIST 110H: United States History to 1877 (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 110.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers the history of the United States from the early cultures to Reconstruction. It emphasizes political, economic, social, and cultural developments. As an honors course, it offers an enriched experience for highly motivated students through challenging course work, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for one series: HIST 110/HIST 110H & HIST 111/HIST 111H; HIST 141/HIST 141H & HIST 142/HIST 142H; or HIST 145/HIST 145H & HIST 146/HIST 146H. C-ID HIST-130.

HIST 110S: Learning Assistance for American History to 1877

Units: 1

Prerequisites: None

Corequisite: HIST 110.

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Fall, Spring

This optional course is intended for students currently enrolled in HIST 110. It helps students build an understanding of critical historical concepts, themes, and topics of HIST 110, and it develops and sharpens the skills needed to succeed in HIST 110. Offered pass/no pass only.

HIST 111: United States History Since 1877

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 111H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers the history of the United States from Reconstruction to the present. UC CREDIT LIMITATION: Credit for one series: HIST 110/HIST 110H & HIST 111/HIST 111H; HIST 141/HIST 141H & HIST 142/HIST 142H; or HIST 145/HIST 145H & HIST 146/HIST 146H. C-ID HIST-140.

HIST 111H: United States History Since 1877 (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 111.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers the political, social, economic and cultural history of the United States since Reconstruction. As an honors course, it offers an enriched experience for highly motivated students through challenging course work, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for one series: HIST 110/HIST 110H & HIST 111/HIST 111H; HIST 141/HIST 141H & HIST 142/HIST 142H; or HIST 145/HIST 145H & HIST 146/HIST 146H.. C-ID HIST-140.

HIST 111S: Learning Assistance for American History from 1877

Units: 1

Prerequisites: None

Corequisite: HIST 111.

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Fall, Spring

This optional course is intended for students currently enrolled in HIST 111. It helps students build an understanding of critical historical concepts, themes, and topics of HIST 111, and it develops and sharpens the skills needed to succeed in HIST 111. Offered pass/no pass only.

HIST 113: American Military History

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 113H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course surveys American military history from the colonial period to the present. It emphasizes the institutional, technological, social, political, and cultural contexts in times of peace and conflict. The course reviews all major American conflicts and emphasizes the military's influence upon foreign policy, domestic affairs, and diplomacy. UC CREDIT LIMITATION: Credit for HIST 113 or HIST 113H.

HIST 113H: American Military History (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 113.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course surveys American military history from the colonial period to the present. It emphasizes the institutional, technological, social, political, and cultural contexts in times of peace and conflict. The course reviews all major American conflicts and emphasizes the military's influence upon foreign policy, domestic affairs, and diplomacy. As an honors course, it offers an enriched experience for highly motivated students through challenging coursework, an emphasis on using sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for HIST 113 or HIST 113H.

HIST 115: Women in American History

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 115H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This course surveys the history of women in America from the colonial period to the present. It emphasizes the historical roles of women in the family, community, labor force, and political system. The course also emphasizes the similarities and differences based on class, race, and ethnic identities. UC CREDIT LIMITATION: Credit for HIST 115 or HIST 115H.

HIST 115H: Women in American History (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 115.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course surveys the history of women in America from the colonial period to the present. It emphasizes the historical roles of women in the family, community, labor force, and political system. The course also emphasizes similarities and differences based on class, race, and ethnic identities. As an honors course, it targets highly motivated students, allowing them expanded analysis of lecture subjects and opportunities to conduct research in relevant areas of interest. UC CREDIT LIMITATION: Credit for HIST 115 or HIST 115H.

HIST 116: History of the Americas to 1830

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 116H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course surveys the histories of the American continent as an integrated whole. It examines major pre-Columbian Indian cultures, Native American heritage, European exploration, conquest, and colonization, and the growth of independence movements. It also studies the diverse cultures, societies, economies, political structures, and constitutions of Latin America, Canada, and the United States from a comparative perspective. UC CREDIT LIMITATION: Credit for HIST 116 or HIST 116H.

HIST 116H: History of the Americas to 1830 (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 116.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course surveys the histories of the American continent as an integrated whole. It studies the diverse cultures, societies, economies, political structures, and constitutions of Latin America, Canada, and the United States from a comparative perspective. As an honors course, it offers an enriched experience for highly motivated students through challenging course work, emphasis on the use of sources, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for HIST 116 or HIST 116H.

HIST 117: History of the Americas Since 1830

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 117H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This course presents an integrated history of American nations in the modern period. It emphasizes the American histories of the 19th, 20th and early 21st centuries including Latin American wars of independence, U.S. foreign policy with Latin America, Canada's relations with the Western hemisphere, Latin American society in the 20th century, and the impact of globalization on the American continent. UC CREDIT LIMITATION: Credit for HIST 117 or HIST 117H.

HIST 117H: History of the Americas Since 1830 (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 117.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course presents an integrated history of American nations in the modern period. It emphasizes the American histories of the 19th, 20th and early 21st centuries including Latin American wars of independence, U.S. foreign policy with Latin America, Canada's relations with the Western hemisphere, Latin American society in the 20th century, and the impact of globalization on the American continent. As an honors course, it offers an enriched experience for highly motivated students through challenging course work, emphasis on the use of sources, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for HIST 117 or HIST 117H.

HIST 141: Mexican American History Through 1877

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 141H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course emphasizes a Chicano/a, Latino/a perspective as it examines Mexican American history through the Mexican-American War and the late nineteenth century. It focuses on major political, social, economic, and cultural factors and explores the roles played by the diverse peoples and cultures who shared in the development of US history. The course emphasizes the contributions of ancient Indians and civilizations and the influences of Spanish institutions and cultures. UC CREDIT LIMITATION: Credit for one series: HIST 110/HIST 110H & HIST 111/HIST 111H; HIST 141/HIST 141H & HIST 142/HIST 142H; or HIST 145/HIST 145H & HIST 146/HIST 146H.

HIST 141H: Mexican American History Through 1877 (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 141.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course emphasizes a Chicano/a, Latino/a perspective as it examines Mexican American history through the Mexican-American War and the late nineteenth century. It focuses on major political, social, economic, and cultural factors and explores the roles played by the diverse peoples and cultures who shared in the development of US history. The course emphasizes the contributions of ancient Indians and civilizations and the influences of Spanish institutions and cultures. As an honors course, it offers an enriched experience for highly motivated students through challenging coursework, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for one series: HIST 110/HIST 110H & HIST 111/HIST 111H; HIST 141/HIST 141H & HIST 142/HIST 142H; or HIST 145/HIST 145H & HIST 146/HIST 146H.

HIST 142: Mexican American History Since 1877

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 142H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This history of the United States from Reconstruction to the present emphasizes the Chicano/a, Latino/a experience. It explores the economic, social, cultural, and political developments and impacts on diverse peoples of the US with an emphasis on the Mexican American experience. UC CREDIT LIMITATION: Credit for one series: HIST 110/HIST 110H & HIST 111/HIST 111H; HIST 141/HIST 141H & HIST 142/HIST 142H; or HIST 145/HIST 145H & HIST 146/HIST 146H.

HIST 142H: Mexican American History Since 1877 (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 142.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This history of the United States from Reconstruction to the present emphasizes the Chicano/a, Latino/a experience. It explores the economic, social, cultural, and political developments and impacts on diverse peoples of the US with an emphasis on the Mexican American experience. As an honors course, it offers an enriched experience for highly motivated students through challenging coursework, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for one series: HIST 110/HIST 110H & HIST 111/HIST 111H; HIST 141/HIST 141H & HIST 142/HIST 142H; or HIST 145/HIST 145H & HIST 146/HIST 146H.

HIST 145: African American History to 1877

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 145H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course covers the historical development of the role of African Americans in US history from colonial origins through Reconstruction. It emphasizes the Black experience within political, social, economic, and cultural frameworks. UC CREDIT LIMITATION: Credit for one series: HIST 110/HIST 110H & HIST 111/HIST 111H; HIST 141/HIST 141H & HIST 142/HIST 142H; or HIST 145/HIST 145H & HIST 146/HIST 146H.

HIST 145H: African American History to 1877 (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 145.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course covers the historical development of the role of African Americans in US history from colonial origins through Reconstruction. It emphasizes the Black experience within political, social, economic, and cultural frameworks. As an honors course, it offers an enriched experience for highly motivated students through challenging coursework, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for one series: HIST 110/HIST 110H & HIST 111/HIST 111H; HIST 141/HIST 141H & HIST 142/HIST 142H; or HIST 145/HIST 145H & HIST 146/HIST 146H.

HIST 146: African American History Since 1877

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 146H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course covers the historical development of the role of African Americans in United States history from Reconstruction to the present. It emphasizes the Black experience within political, social, economic, and cultural frameworks. UC CREDIT LIMITATION: Credit for one series: HIST 110/HIST 110H & HIST 111/HIST 111H; HIST 141/HIST 141H & HIST 142/HIST 142H; or HIST 145/HIST 145H & HIST 146/HIST 146H.

HIST 146H: African American History Since 1877 (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in HIST 146.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course covers the historical development of the role of African Americans in United States history from Reconstruction to the present. It emphasizes the Black experience within political, social, economic, and cultural frameworks. As an honors course, it offers an enriched experience for highly motivated students through challenging coursework, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for one series: HIST 110/HIST 110H & HIST 111/HIST 111H; HIST 141/HIST 141H & HIST 142/HIST 142H; or HIST 145/HIST 145H & HIST 146/HIST 146H.

HIST 165: California History

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring even years

This course addresses the social, economic, political, and cultural history of California. It begins with an overview of the indigenous, Native American population and continues through the Spanish, Mexican, and American eras. Topics covered include studies of the mission era, pastoral era, gold rush, railroad era, development and modification of the California Constitution, and the rise of modern industries, such as aerospace and information technologies.

HIST 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

HIST 296: Topics in History

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in History that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Horticulture

The Ornamental Horticulture discipline examines the art and science of cultivating plants. The Horticulture program at MiraCosta also includes sustainable design, installation, and maintenance of landscapes, nursery and organic crop production, and wine technology. Students take horticulture courses to prepare for the major, complete job-related certificates, earn continuing education units (CEUs) for professional licenses, and fulfill general education requirements. Career options include nursery-industry work, urban agriculture, landscape architecture, irrigation design and water management, landscape design, landscape installation and management, golf and sports turf management, urban forestry, horticulture sales and services, grove and vineyard management, and winemaking.

Academic and Career Pathway: Math and Sciences

Contact Information

Chair: Megan Allison
Dean: Al Taccone
<https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/horticulture/index.html>

Department: Horticulture
Office: Building OC4800,
 760.795.6811

Full-Time Faculty

Megan Allison

Associate Degrees

Associate in Arts Degrees

Landscape Architecture

Sustainable Landscape and Turf Management Nursery/Horticulture Crop Production

Associate in Science Degrees

Pest Control Adviser

Sustainable Agriculture

Viticulture and Enology

Students may earn one of the above-named associate degrees by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees

(p. 67)). Students earning an associate degree in Landscape Architecture are eligible to take the Landscape Architecture Registration Exam to achieve state licensure after completing requisite apprenticeship. Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Certificates

Certificate programs prepare students for state, county, and city employment in most areas of landscape management, such as park and grounds supervision and state or county agriculture inspection. In the private sector, graduates find jobs in agri-sales and services, organic food production, retail and wholesale nurseries and greenhouses, landscape and irrigation design, landscape contracting, and water management. Any of these majors may be completed in three semesters and one or two summer sessions by students who attend full-time.

Certificate of Achievement

Landscape Architecture

This certificate is designed to provide employable technical skill training in the field of professional residential landscape design development. It also provides a foundation for students who plan to enter a college of landscape architecture.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to use hand drawn and computer-generated graphics to produce accurate landscape plans that reflect sustainable, functional, and aesthetic principles.

Required courses:

DESN 101	Computer-Aided Design and Drafting	4
DESN 102	Architectural Drawing	3
HORT 117	Plant Identification: Trees, Shrubs, and Vines	3
HORT 126	Irrigation and Water Management	3
HORT 127	Landscape Design	3
HORT 128	Landscape Construction	3
HORT 220	Computer-Aided Landscape Design Applications	3
HORT 230	Landscape Architecture	3
Select one course from the following electives:		1-4
DESN 103	Architectural Communications	
DESN 200	Architectural Design I	
HORT 115	Soil Science	
HORT 299	Occupational Cooperative Work Experience	

Total Units **26-29**

Certificate of Achievement

Nursery/Horticulture Crop Production

This certificate provides students with the practical, hands-on experience they need to pursue employment in the areas of plant production, maintenance, or sales of ornamental and/or food crops in California.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to integrate concepts and skills learned in core courses to manage environmental and other growth factors to produce healthy and marketable crops.

Required courses:

HORT 115	Soil Science	3
HORT 116	Plant Science	4
HORT 117	Plant Identification: Trees, Shrubs, and Vines	3
HORT 122	Horticulture Laws and Regulations	2
HORT 126	Irrigation and Water Management	3
HORT 134	Integrated Pest Management	3
HORT 140	Subtropical Fruit and Plant Production	3
HORT 144	Nursery Management and Production	3
HORT 149	Vineyard Production and Management	3
HORT 292 or HORT 299	Internship Studies Occupational Cooperative Work Experience	1

Total Units **28**

Certificate of Achievement

Pest Control Adviser

Pest Control Advisers (PCAs) are licensed professional production consultants who serve California agriculture and horticulture producers. PCAs specialize in pest management, but they are also an important resource to producers in a wide range of production concerns related to plant health. PCAs provide written recommendations that must address 13 specific areas, including worker safety, environmental impact, and a detailed plan for the use of pest management materials. The California Department of Pesticide Regulation requires students to complete at least 42 semester units of core study and 24 months of work experience, as well as to successfully pass written exams prepared by the DPR Pest Management and Licensing Branch, to register for the licensing exam.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to identify the pests that are threatening a crop, assess the level of potential damage, and prepare a written management plan that considers the impact to the crop, beneficial insects, humans, and the environment.

Required Core Courses (21 units):

HORT 115	Soil Science	3
HORT 116	Plant Science	4
HORT 121	Sustainable Landscape and Turf Management	3
HORT 122	Horticulture Laws and Regulations	2
HORT 126	Irrigation and Water Management	3
HORT 134	Integrated Pest Management	3
HORT 166	Introduction to Sustainable Agriculture	3

List A: Physical and Biological Sciences **8**

Choose a minimum of 8 units from the following courses:

BIO 102	Introductory Biology: Ecology and Environmental Biology
BIO 103	Introductory Biology: Animal Diversity
BIO 104	Introductory Biology: Botany (Plant Life)
BIO 108	Introductory Biology: Ecology of the Oceans
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)
BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)

List B: Crop Health, Pest Management, and Production Systems **15**

Select a minimum of 15 units from the following courses:

HORT 118	Arboriculture
HORT 140	Subtropical Fruit and Plant Production
HORT 144	Nursery Management and Production
HORT 149	Vineyard Production and Management
HORT 162	Organic Crop Production: Warm Season
HORT 163	Organic Crop Production: Specialty Crops
HORT 164	Organic Crop Production: Cool Season
HORT 292	Internship Studies *
HORT 299	Occupational Cooperative Work Experience *

Total Units **44**

* Students may take up to 3 units of HORT 292 or HORT 299 or any combination of the two.

Certificate of Achievement

Sustainable Agriculture

The Sustainable Agriculture certificate prepares students for employment in sustainable or organic agriculture and for the operation of a sustainable farm and/or production of organic ornamental or food crops.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to develop a comprehensive plan for sustainable agriculture production on a given site, including practices, farm plan, ecological evaluation, and community viability.

Required courses:

HORT 115	Soil Science	3
HORT 116	Plant Science	4
HORT 117	Plant Identification: Trees, Shrubs, and Vines	3
HORT 122	Horticulture Laws and Regulations	2
HORT 126	Irrigation and Water Management	3

HORT 134	Integrated Pest Management	3
HORT 140	Subtropical Fruit and Plant Production	3
or HORT 149	Vineyard Production and Management	
HORT 162	Organic Crop Production: Warm Season	2
HORT 163	Organic Crop Production: Specialty Crops	2
HORT 164	Organic Crop Production: Cool Season	2
HORT 166	Introduction to Sustainable Agriculture	3
HORT 292	Internship Studies	1
or HORT 299	Occupational Cooperative Work Experience	
Total Units		31

Certificate of Achievement

Sustainable Landscape and Turf Management

This certificate prepares students for employment in the California horticulture and landscape contracting industries by providing practical, hands-on experience and preparation for the Certified Arborist, Landscape Contracting (C-27) and pesticide licenses.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to inventory, analyze, and recommend an efficient management plan for the turf, trees, shrubs, and landscape elements of a landscape.

Required courses:		
HORT 115	Soil Science	3
HORT 116	Plant Science	4
HORT 117	Plant Identification: Trees, Shrubs, and Vines	3
HORT 118	Arboriculture	3
HORT 121	Sustainable Landscape and Turf Management	3
HORT 122	Horticulture Laws and Regulations	2
HORT 126	Irrigation and Water Management	3
HORT 127	Landscape Design	3
HORT 128	Landscape Construction	3
HORT 134	Integrated Pest Management	3
HORT 292	Internship Studies	1
or HORT 299	Occupational Cooperative Work Experience	
Total Units		31

Certificate of Achievement

Viticulture and Enology

This certificate cross-trains students for work in the wine production, wine sales, and viticulture areas.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to integrate concepts and skills learned in core courses to schedule the production steps of quality wines from grape to glass.

Required courses:		
HORT 115	Soil Science	3
HORT 116	Plant Science	4
HORT 117	Plant Identification: Trees, Shrubs, and Vines	3
HORT 122	Horticulture Laws and Regulations	2
HORT 126	Irrigation and Water Management	3
HORT 134	Integrated Pest Management	3
HORT 147	Wines of California	1.5
HORT 148	Introduction to Wine Production	1.5
HORT 149	Vineyard Production and Management	3
HORT 150	Winery Operations and Management	3
HORT 292	Internship Studies	1
or HORT 299	Occupational Cooperative Work Experience	
Total Units		28

Certificate of Proficiency

Irrigation Technology

This certificate is designed to teach the theory, design, and installation of irrigation systems including the materials, installation practices, maintenance, crew management, and operations of a landscape irrigation business. The program emphasizes residential and large-scale irrigation system installation and water management.

Program Student Learning Outcome Statement

- Upon completion of the program, students given planting areas of various sizes, shapes and plant materials will be able to select appropriate irrigation equipment in accordance with best management practices.

Required courses:		
DESN 101	Computer-Aided Design and Drafting	4
HORT 121	Sustainable Landscape and Turf Management	3
HORT 126	Irrigation and Water Management	3
HORT 128	Landscape Construction	3
Total Units		13

Courses

HORT 110: Introduction to Sustainable Horticulture

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces sustainable horticulture principles and practices in gardening, landscaping, nursery management, and floriculture. Topics include basic botany, cultural practices, propagation, structures and layout, pest management, planting, container gardening and houseplants, floral design, plant identification, and career opportunities. Students are required to attend field labs and field trips. C-ID AG-EH-104X.

HORT 115: Soil Science

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course examines the physical, chemical, and biological properties of soil and covers soil conditions that restrict plant growth. Students learn to solve soil problems that may exist in the field, greenhouse, and landscape with a focus on sustainable practices. The course emphasizes problem-solving techniques that apply to Southern California soils, including fertility, salinity, pH, high calcium, specific toxicities, and physical problems. Students are required to participate in field labs and trips. C-ID AG-PS-128L.

HORT 116: Plant Science

Units: 4

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This introductory course offers students an opportunity to learn the basic principles of plant science pertaining to food and ornamental plants. The course emphasizes plant morphology, anatomy and function, plant physiology, reproduction, biotic and abiotic environmental factors that impact plant growth and development, plant-soil-climate interrelationships, plant taxonomy and nomenclature, and plant diversity and adaptations. Learning activities include plant studies in the field, greenhouse, and landscape. Students are required to attend field labs and field trips. C-ID AG-PS-104, AG-PS-106L.

HORT 117: Plant Identification: Trees, Shrubs, and Vines

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course covers the identification, growth habits, culture, and ornamental use of plants found in Southern California landscapes. Topics include botanical and common names, plant family relationships, drought tolerance, and other environmental adaptations. Students learn to identify by sight memory more than 200 plants from professional certification test and local plant lists. Students are required to attend field trips both on and off campus. C-ID AG-EH-108L, AG-EH-112L.

HORT 118: Arboriculture

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall

This course introduces the care and management of landscape trees in urban settings. It covers soil, water, and nutrient management, integrated pest management, and tree biology. Topics include tree selection, protection, fertilization, pruning basics, urban forest management, safety, and risk management. This course prepares students for the International Society of Arboriculture (ISA) Certification exam and provides ISA Continuing Education Units (CEUs). Field trips are required. C-ID AG-EH 130 000X.

HORT 121: Sustainable Landscape and Turf Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course introduces landscape ecosystems and emphasizes sustainable management practices of turfgrass, trees, and landscape plantings. Students learn best management practices, including soil preparation, nutrient management, irrigation, mowing, pruning and growth control, integrated pest management, and fire safety. Students practice basic skills needed for successful maintenance of landscaped areas in accordance with sustainable and ecological principles. Participation in field trips and field labs is required.

HORT 122: Horticulture Laws and Regulations

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours.

Course Typically Offered: Fall or Spring

This course covers the laws and regulations that apply to the agriculture and horticulture industries, including possible legal issues for nursery owners, landscape managers, farmers, and others engaged in crop production and landscape planning. Topics include U.S., California, and local agencies and ordinances governing contracts, environmental and natural resource issues, agricultural employees, and pesticide regulations. This course prepares students to pass the Laws and Regulations section of the California Department of Pesticide Regulations licensing exams and others.

HORT 126: Irrigation and Water Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course introduces the design, installation, and maintenance of water-efficient irrigation systems. Topics include water supply, basic hydraulics, climate, soil and plant characteristics, component identification and terminology, auditing, scheduling, pipe sizing, layout, electrical components, and water conservation practices appropriate for southern California. Participation in field exercises, field trips, and other lab activities is required. C-ID AG-EH 144X.

HORT 127: Landscape Design

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course introduces the principles and practices of landscape design. Topics include the principles and process of design, drafting, hand drawn graphics, and presentation methods. Projects emphasize residential and small commercial sites. Students are required to attend field trips.

HORT 128: Landscape Construction

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course introduces the fundamentals of landscape construction. Topics include soil preparation, paving and construction materials, hand and power tool use, turf and plant installation, plan reading, estimating, and bid preparation. The course also covers local codes, state requirements, and new technologies. It prepares students to pass the C-27 Landscaping Contractor's License exam. Students are required to participate in lab activities and attend field trips. C-ID AG-EH 132X.

HORT 134: Integrated Pest Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course examines the common pests that invade ornamental plantings and nursery crops in Southern California, including weeds, invertebrate pests, and plant diseases. Students learn to diagnose pest problems and design solutions to these problems based upon an integration of approved pest management techniques and practices including cultural, biological, mechanical/physical, and chemical control methods. This course is designed to assist students in preparing for California licensing exams in pest management or to earn continuing education hours to maintain their license. C-ID AG-EH 120X.

HORT 140: Subtropical Fruit and Plant Production

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course examines the principles and practices involved in subtropical fruit and plant production, such as citrus and avocados, and other emerging crops. Topics include propagation, site selection, planting, fertilization, irrigation, and pest control. The course also covers harvest techniques, marketing, and industry economic trends. Field trips to local orchards and groves are required.

HORT 144: Nursery Management and Production

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course analyzes the operation and management of plant nursery facilities and personnel, including cultural practices, scheduling of nursery crops, marketing, and legal and environmental issues. Students examine the relationships of light, temperature, moisture, humidity, and fertility as well as their impact on plant production. Topics include pruning, transplanting, propagation, and pest control methods. Students are required to attend field trips to local nurseries.

HORT 147: Wines of California

Units: 1.5

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours.

Course Typically Offered: Fall or Spring

This course introduces the wines and major wine producing regions of California. It covers history, viticultural practices, winemaking styles, and sensory evaluation techniques of representative California wines. Students must be at least 21.

HORT 148: Introduction to Wine Production

Units: 1.5

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1 hour, laboratory 1.50 hours.

Course Typically Offered: To be arranged

This course provides beginning winemakers with basic "how to" instructions and advanced technical training on aspects of winemaking. It emphasizes the importance of specialized backgrounds needed to solve the wide variety of problems encountered in commercial wine production. Students must be at least 21 to enroll.

HORT 149: Vineyard Production and Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course covers responsibilities of vineyard management. Topics include climate zones, soil selection, financing, farm organization, irrigation systems, field layout, varietal selection, nutritional needs, harvesting, labor management, marketing, and budgeting. Students are required to attend field trips to local vineyards.

HORT 150: Winery Operations and Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall even years

This introductory level course on starting and managing a winery business covers permits, annual plans and budgets, marketing, tasting room operations, and legal compliance. Students are required to attend field trips.

HORT 162: Organic Crop Production: Warm Season

Units: 2

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1 hour, laboratory 3 hours.

Course Typically Offered: Spring

This course introduces the principles and practices of organic crop production with an emphasis on warm season crops. It applies sustainability principles and ecological concepts to field-based exercises and hands-on practices in the production of edible and ornamental crops. Topics emphasized include selecting, starting, and maintaining crops, irrigation methods, organic weed and pest control strategies, alternative cropping methods, and profitability. Students are required to attend field trips.

HORT 163: Organic Crop Production: Specialty Crops

Units: 2

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1 hour, laboratory 3 hours.

Course Typically Offered: Summer

This course applies sustainability principles and ecological concepts to field-based exercises and hands-on practices in the production of edible and ornamental specialty crops. Topics emphasized include food safety and sanitation, post-harvest storage, community-supported agriculture, farmers markets, and other direct and indirect marketing outlets. Students are required to attend field trips.

HORT 164: Organic Crop Production: Cool Season

Units: 2

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1 hour, laboratory 3 hours.

Course Typically Offered: Fall

This course introduces the principles and practices of organic crop production with an emphasis on cool season crops. Students apply sustainability principles and ecological concepts to field-based exercises and hands-on practices in the production of edible and ornamental crops. Topics include farm management, crop selection, plant propagation, organic cultivation, hydroponics and aquaponics, harvesting, and marketing. Students are required to attend field trips.

HORT 166: Introduction to Sustainable Agriculture

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: To be arranged

This course introduces sustainable agriculture and agro-ecological theory from a multi-disciplinary scientific perspective. It will focus on the application of sustainability concepts to growth and production of edible, ornamental, and specialty crops in the temperate southern California climate. Diverse agricultural systems and practices and their relative sustainability are analyzed for suitability to site and environment. Topics include the history and evolution of agriculture as well as historical, conventional, and alternative farming systems with a focus on modern applications and present day environmental concerns.

HORT 220: Computer-Aided Landscape Design Applications

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course introduces the application of computer-based design software packages, including image manipulation, modeling, multimedia, and drafting combined with hand graphics for the development of landscape plans, perspectives, elevation drawings, and presentation graphics.

HORT 230: Landscape Architecture

Units: 3

Prerequisites: HORT 127.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This project-based class offers continued study in the field of landscape architectural design. It emphasizes site analysis, sensory evaluation, sustainable design principles, cost considerations, rendering, site details, model building, and oral presentation. Students work both individually and in groups on projects at the urban and community scale, and they are required to attend field trips.

HORT 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

HORT 296: Topics in Horticulture

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Horticulture that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

HORT 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Hospitality

The Hospitality Management program offers courses for students planning to transfer as hospitality majors to four-year institutions as well as career and technical courses that can lead to certificates of proficiency and achievement. Career options include event planning, travel and tourism, front office, reservations, sales, marketing, customer service, and management positions in hotels, restaurants, cruise lines, airlines, theme parks, attractions, clubs, and casinos.

Academic and Career Pathway: Business and Technology

Contact Information

Chair: Annie Ngo

Dean: Al Taccone

<https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/hospitality/index.html>

Department: Business

Office: Building OC4800,
760.795.6811

Associate Degrees

Associate in Arts Degrees

Hospitality Management

Restaurant Management

Students may earn one of the above-named associate degrees by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 67)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Associate in Science Degree

Hospitality Management for Transfer

This program provides students with the broad technical background required in today's increasingly diverse

Areas of Study & Courses

hospitality industry. The Associate in Science in Hospitality Management for Transfer prepares students for success in a baccalaureate degree program at a participating California State University (CSU) campus. Students learn about the hospitality management industry, and once they earn a bachelor's degree they can expect to find entry-level management employment in the restaurant, lodging, food service, recreation, gaming, or tourism industries.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a hospitality management major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B) or IGETC (Plan C)* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to demonstrate skills and strategies to succeed in global hospitality industry organizations.

Required courses:

HOSP 100	Introduction to Hospitality Management	3

List A: Select 9 units and three courses from the following: 9

HOSP 114	Hospitality Law
HOSP 133	Introduction to Hotel Management
HOSP 150	Hospitality Cost Control
HOSP 153	Introduction to Food and Beverage Management
ECON 102	Principles of Economics: MICRO *

List B: Select 6-9 units or two courses from the following: 6-9

Any course from List A not already used.

ACCT 201	Financial Accounting
or ACCT 201H	Financial Accounting (Honors)
BUS 140	Legal Environment of Business
or BUS 140H	Legal Environment of Business (Honors)
BTEC 180	Biostatistics *
or BTEC 180H	Biostatistics (Honors)

or BUS 204	Business Statistics
or BUS 204H	Business Statistics (Honors)
or MATH 103	Statistics
or MATH 103S	Statistics with Integrated Support
or PSYC 104	Statistics for Behavioral Science
or PSYC 104H	Statistics for Behavioral Science (Honors)
or SOC 125	Introduction to Statistics in Sociology

Total Units

18-21

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the statistics courses listed are also GE courses.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Certificates

Certificate of Achievement Hospitality Management

This certificate provides students with the broad technical background required in today's increasingly diverse hospitality industry. It was developed with input from professional industry members who comprise the MiraCosta College Hospitality Management Advisory Board as well as the cooperation of local hospitality executives and members. Courses in this program complement the skills learned on the job and are valuable to either the person who is seeking a certificate/degree or the individual who is already in the field and desires to increase their overall effectiveness in a particular area.

Program Student Learning Outcome Statement

Upon completion of this program, the student will be able to

- ▶ identify specific job titles within the hospitality, food service, and tourism industries and describe the responsibilities of the positions as well as the outlook for future job growth.
- ▶ research, compare, and prepare written documents reviewing a specific legal procedure used in hotels/motels or restaurants.
- ▶ develop an operational strategy for a restaurant.

Required courses:

BUS 117	Human Resources Management	3
BUS 132	Marketing	3
HOSP 100	Introduction to Hospitality Management	3
HOSP 114	Hospitality Law	3
HOSP 150	Hospitality Cost Control	3
Select at least 6 units from the following:		6
HOSP 130	Conference and Special Event Management	
HOSP 133	Introduction to Hotel Management	

HOSP 153	Introduction to Food and Beverage Management

Total Units **21**

Certificate of Achievement

Restaurant Management

The Restaurant Management Certificate of Achievement provides students with the broad technical background necessary in today's increasingly diverse food services industry. Requirements for the certificate were developed with input from professional industry members who comprise the MiraCosta College Hospitality Management Advisory Board as well as with cooperation from local restaurant and food services executives. Courses for this certificate complement the skills learned on the job and are valuable to either the person seeking a certificate/degree or the individuals already employed in the field and seeking to increase their overall effectiveness with new skills qualifying them for promotions.

Program Student Learning Outcome Statement

Upon completion of this program, the student will be able to

- ▶ research a specific human resource responsibility for the hospitality industry and interview a hospitality management professional about the research findings.
- ▶ create a marketing plan for a product/service in hospitality marketing.
- ▶ develop an operational strategy for a restaurant.

Required courses:

BUS 117	Human Resources Management	3
BUS 130	Entrepreneurship and Small Business Management	3
BUS 132	Marketing	3
HOSP 100	Introduction to Hospitality Management	3
HOSP 114 or HOSP 130	Hospitality Law Conference and Special Event Management	3
HOSP 150	Hospitality Cost Control	3
HOSP 153	Introduction to Food and Beverage Management	3

Total Units **21**

Certificate of Proficiency

Food, Beverage, and Restaurant

This certificate program is designed to prepare students with the specific technical and supervisory job skills employers demand for entry-level management positions.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, a student will be able to develop an operational plan for a restaurant.

Required courses:

BUS 130	Entrepreneurship and Small Business Management	3
or HOSP 130	Conference and Special Event Management	

HOSP 100	Introduction to Hospitality Management	3
HOSP 150	Hospitality Cost Control	3
HOSP 153	Introduction to Food and Beverage Management	3

Total Units **12**

Certificate of Proficiency

Guest Services and Concierge

This certificate prepares students for entry-level work in the hospitality industry with a focus on guest services. The courses in this certificate also apply to the Hospitality Management Certificate of Achievement.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to research, compare, and prepare written documents reviewing a specific legal procedure used in hotels/motels or restaurants.

Required courses:

BUS 117	Human Resources Management	3
BUS 131	Management Principles	3
HOSP 100	Introduction to Hospitality Management	3
HOSP 133	Introduction to Hotel Management	3

Total Units **12**

Certificate of Proficiency

Meeting, Convention and Event Management

Students gain the skills and knowledge needed for planning and managing successful meetings, conferences, trade shows, weddings, and other special events.

Program Student Learning Outcome Statement

- ▶ Upon completion of the program, the student will be able to develop a written portfolio to create a "mock event" as specified.

Required courses:

BUS 117 or BUS 130 or BUS 136	Human Resources Management Entrepreneurship and Small Business Management Human Relations in Business	3
BUS 132	Marketing	3
BUS 133	Project Management	3
HOSP 114	Hospitality Law	3
HOSP 130	Conference and Special Event Management	3

Total Units **15**

Courses

HOSP 100: Introduction to Hospitality Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course provides an overview of the structure and financial performances of the hospitality industry, including food and lodging, resorts, tourism enterprises, attractions, and related operations. It emphasizes orientation to customer service, cultural/economic trends, and career opportunities. Students may be required to visit various hospitality sites. C-ID HOSP-100

HOSP 114: Hospitality Law

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Spring

This course covers the legal principles that apply to the hospitality industry, including possible legal issues for hotel and restaurant operators as well as rights and responsibilities of hospitality establishments. Topics include how U.S. laws and regulations affecting the lodging industry have increased and how hoteliers and restaurant operators can avoid lawsuits. This course allows students to gain Hospitality Law certification from the Educational Institute of the American Hotel and Lodging Association. C-ID HOSP-150.

HOSP 130: Conference and Special Event Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Spring

This course introduces students to the field of conference and special event management. Students examine the different types of conferences and special events and the types of organizations that stage those events. The course also covers the role of the planner, including setting objectives, program design, budgeting, site selection, negotiations, contracts, speaker selection, registration, on-site logistics, transportation, and security and legal issues.

HOSP 133: Introduction to Hotel Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Spring

This course introduces students to the operating system and components of a hotel-resort facility. Topics include front office, housekeeping, food and beverage, sales and marketing, accounting, property maintenance, human/resource management, and information systems. C-ID HOSP-140.

HOSP 134: Sustainable Facilities Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall

This course examines hospitality-industry practices in lodging, food service, and special event property management. Topics include how sustainable practices apply to the management and design of hospitality facilities, conform to implications of the United Nations environmental guidelines, industry trends, and techniques to reduce expenses, increase efficiency, and ensure safe and sanitary operations that meet guests expectations. Students may be required to visit various hospitality sites.

HOSP 150: Hospitality Cost Control

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall

This course introduces students to the analysis and management of food, beverage, labor, and other costs within a hospitality operation. It emphasizes problem solving and applying cost-control techniques to maximize profits while managing expenses. Topics include establishing standards, cost-volume-profit-analysis, forecasting, purchasing and storage controls, menu costing and pricing, theft prevention, and labor control. C-ID HOSP-120.

HOSP 153: Introduction to Food and Beverage Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Spring

This course explores management techniques and procedures as they relate to commercial and institutional food and beverage facilities. Topics include functions of management, food and beverage marketing, menu development, nutrition and food service operations, cost controls and pricing strategies, and labor and service techniques. C-ID HOSP-130.

HOSP 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

HOSP 296: Topics in Hospitality

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Hospitality that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

HOSP 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Humanities

Humanities courses trace the intersections of disciplines such as philosophy, literature, history, and the arts and the constructions of cultures and identities. Students in humanities courses learn to contextualize the ideas and theories of these disciplines within cultural dynamics such as race, class, gender, sexual identity, and the quest for social justice.

Students who pursue bachelor's degrees in the humanities seek to enrich their lives and the lives of others with empathy and a nuanced sensitivity to a wide range of cultural perspectives. Potential career paths include Supreme Court Justice, community organizer, nurturing parent, President of the United States, teacher, social worker, lawyer, medical doctor, artist, and concerned/effective citizen of the world.

Academic and Career Pathway: Languages, Communication, and Humanities

Contact Information

Chair: Maria Figueroa (Letters, Transfer)

Dean: Antonio Alarcon

<https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/humanities/index.html>

Department: Letters, Transfer
Office: Administration Building, San Elijo Campus, 760.634.7879

Full-Time Faculty

Daniel Ante-Contreras
 Maria Figueroa
 John Kirwan

Violeta Sanchez
 Jim Sullivan

Courses

HUMN 101: Introduction to the Arts

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in HUMN 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to interdisciplinary humanities. The course explores at least six humanities subjects, such as cinema, dance, music and opera, architecture, theater, literature, painting and other two-dimensional art, and sculpture. An entrée to cultural literacy, this course studies both genres and examples of the arts to better understand various art forms, the cultures, eras, and styles which they exemplify, and essential elements of our individual humanness, including creativity and a sense of the aesthetic. UC CREDIT LIMITATION: Credit for HUMN 101 or HUMN 101H.

HUMN 101H: Introduction to the Arts (Honors)

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in HUMN 101.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This honors course introduces highly motivated students to interdisciplinary humanities. The course explores at least six humanities subjects, such as cinema, dance, music and opera, architecture, theater, literature, painting and other two-dimensional art, and sculpture. An entrance to cultural literacy, this course studies both genres and examples of the arts in an effort to better understand various art forms, the cultures, eras, and styles which they exemplify, and essential elements of our individual humanness, including creativity and a sense of the aesthetic. UC CREDIT LIMITATION: Credit for HUMN 101 or HUMN 101H.

HUMN 201: Cultural Eras in the Humanities: Prehistory to 1600

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This interdisciplinary course surveys major works, figures, styles, concepts, and techniques in world culture from prehistory to 1600. Students study examples of creative genius in such fields as art, literature, folklore, music, philosophy, religion, history, theater, and architecture to better understand the cultures of multiple peoples and ways that the past and its arts are relevant to themselves and contemporary life.

HUMN 202: Humanities of the Western World: The Renaissance to the Twentieth Century

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This interdisciplinary course surveys major works, figures, styles, concepts, and techniques in the liberal and fine arts of the Western world. It draws from the Renaissance, baroque era, neoclassicism, romanticism, Industrial Age, modernism, and postmodernism. Students study examples of creative genius in such fields as art, literature, music, philosophy, history, theater, and architecture to better understand the heritage of Western civilization, the cultures of multiple peoples, and ways that the past and its arts are relevant to themselves and contemporary life.

HUMN 205: Women in Western Art and Literature

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This interdisciplinary course surveys and examines the art and literature of Western civilization from an intersectional feminist lens, with an emphasis on the construction of gender and the framework of historiography throughout the centuries.

HUMN 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

HUMN 296: Topics in Humanities

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Humanities that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Interdisciplinary Studies

Contact Information

Dean: Jonathan Fohrman

Department: Interdisciplinary Studies

Office: Building OC1200,
760.795.6637

Certificate

Certificate of Achievement

Global Studies

The certificate focuses on three main competencies: International Awareness, Area Studies, and Global Communication. This multi- and interdisciplinary certificate increases knowledge and understanding of the processes of globalization and their impacts on societies, cultures, and environments around the world. It provides students with a knowledge of critical issues that affect their lives and community as well as the affairs of other cultures, societies, and nations. An understanding of the world's social, political, economic, and natural systems and their increasing interdependence, along with an appreciation of the diversity of human culture, supplies students with a strong background for working in a global economy, for living in a multicultural society, and for making intelligent decisions as global citizens.

Program Student Learning Outcome Statement

Upon completion of this program, the student will be able to

- ▶ recognize the interconnectedness of local, national, and global issues.
- ▶ summarize uniqueness of the region studied.
- ▶ apply communication skills when operating in a culture other than their own.

International Awareness (minimum of 4 courses from different subjects): 12

ANTH 102	Cultural Anthropology
or ANTH 102H	Cultural Anthropology (Honors)
ART 158	Traditional Arts of Africa, Oceania, and the Americas
BUS 160	International Business
DNCE 105	Dance Cultures of the World
or DNCE 105H	Dance Cultures of the World (Honors)
GEOG 102	Cultural Geography
GEOG 104	World Geography
HIST 100	World History to 1500
or HIST 100H	World History to 1500 (Honors)
HIST 101	World History Since 1500
or HIST 101H	World History Since 1500 (Honors)
LIT 271	World Literature Since 1600
MUS 116	A Survey of World Music
NUTR 108	Cultural Aspects of Foods and Nutrition
PHSN 108	Introduction to Climate Change
or PHSN 108H	Introduction to Climate Change (Honors)
PLSC 150	Introduction to International Relations
RELG 101	World Religions
or RELG 101H	World Religions (Honors)

Area Studies (minimum of 1 course): 3

ANTH 104	Native American Cultures
ART 259	History of Renaissance to Modern Art
FREN 121	Introduction to French Culture
GRMN 121	Introduction to German Culture

HIST 102	History of the Modern Middle East
or HIST 102H	History of the Modern Middle East (Honors)
HIST 104	Modern European History and Culture
or HIST 104H	Modern European History and Culture (Honors)
HIST 105	History of England
or HIST 105H	History of England (Honors)
HIST 107	East Asian Societies
HIST 117	History of the Americas Since 1830
or HIST 117H	History of the Americas Since 1830 (Honors)
ITAL 121	Introduction to Italian Culture
JAPN 121	Introduction to Japanese Culture
MUS 113	The Music of America
RELG 105	Eastern Religions
SPAN 205	Hispanic Film, Literature, and Composition
Global Communication (minimum of 1 course): 3-4	
COMM 215	Intercultural Communication
FREN 101	Elementary French (First Semester)
FREN 102	Elementary French (Second Semester)
FREN 201	Intermediate French (Third Semester)
FREN 202	Intermediate French (Fourth Semester)
GRMN 101	Elementary German (First Semester)
GRMN 102	Elementary German (Second Semester)
GRMN 201	Intermediate German (Third Semester)
ITAL 101	Elementary Italian (First Semester)
ITAL 102	Elementary Italian (Second Semester)
ITAL 201	Intermediate Italian (Third Semester)
ITAL 202	Intermediate Italian (Fourth Semester)
JAPN 101	Elementary Japanese (First Semester)
JAPN 102	Elementary Japanese (Second Semester)
JAPN 201	Intermediate Japanese (Third Semester)
JAPN 202	Intermediate Japanese (Fourth Semester)
SPAN 101	Elementary Spanish (First Semester)
SPAN 102	Elementary Spanish (Second Semester)
SPAN 201	Intermediate Spanish (Third Semester)
SPAN 202	Intermediate Spanish (Fourth Semester)
SPAN 221	Spanish for Native Speakers

Total Units

18-19

Courses

INTR 100: Foundation Skills for the College Experience

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course prepares new and returning students to develop the knowledge, skills, attitudes, and behaviors that are necessary for academic and personal success. Students learn how to adapt to the college environment and prepare for academic achievement and lifelong learning. Topics include strategic study skills, time management, educational planning, student services, and resources to promote academic and personal success, career assessment and exploration, goal setting, computer and information technology skills and techniques, and development of effective college research skills. UC CREDIT LIMITATION: Credit for COUN 100, COUN 105, or INTR 100.

Italian

The International Languages Department offers courses in Italian that provide the foundation for language study. They also satisfy either the humanities requirement for general education or the proficiency requirement in an international language when required for transfer. A bachelor's degree in an international language such as Italian can lead to a career in advertising, broadcasting, consulting, translating, teaching, international service, public relations, social work, and sales.

Note: Students educated in a non-English speaking country through high school or equivalent will generally not earn lower-division transfer credit in their language at most universities. Students who might be affected by this rule should consult a counselor and/or the International Languages Department Chair before enrolling in their language courses.

Academic and Career Pathway: Languages, Communication, and Humanities

Contact Information

Chair: Cristina Toharia

Dean: Jonathan Fohrman

[https://www.miracosta.edu/](https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/italian/index.html)

[academics/degree-and-](https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/italian/index.html)

[certificate-programs/](https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/italian/index.html)

[languages-communication-](https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/italian/index.html)

[and-humanities/international-](https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/italian/index.html)

[languages/italian/index.html](https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/italian/index.html)

Department: International

Languages

Office: Building OC2700,

760.795.6844

Full-Time Faculty

Andrea Petri

Associate Degree

Associate in Arts Degree

Italian

The Italian program offers lower-division preparation for students who plan on transferring to pursue a bachelor's degree in Italian. Students planning to transfer and/or earn this associate

degree may also need to complete additional requirements or electives required by the transfer institution, as many CSUs and UCs have unique admissions and preparation-for-the-major requirements. Students should meet with a MiraCosta College counselor to identify required courses and to develop a written plan for their targeted university.

To earn this associate degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete a general education pattern of courses (see Associate Degrees (p. 67)).
- ▶ Obtain a minimum GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome Statement

Upon completion of this program, the student will be able to

- ▶ engage in meaningful conversations about social issues, cultural productions, and cultural aspects covered in the first two years of Italian courses, demonstrating command of the first two years' vocabularies, structure, and pronunciation in the target language and comprehending native speaker speech.
- ▶ read and comprehend a passage about social issues, cultural productions or cultural aspects covered in the first two years of Italian courses from a real Italian contemporary source.
- ▶ write a cohesive, analytical/critical essay about social issues, cultural productions or cultural aspects covered in class, comparing and contrasting them to other cultures and demonstrating command of the first two years vocabulary and structures in the target language.

Required courses:

ITAL 102	Elementary Italian (Second Semester)	4
ITAL 121	Introduction to Italian Culture	3
ITAL 201	Intermediate Italian (Third Semester)	4
ITAL 202	Intermediate Italian (Fourth Semester)	4
Select at least one course from the following:		3-4
ART 258	Ancient to Gothic Art	
ART 259	History of Renaissance to Modern Art	
HIST 103 or HIST 103H	Early European History and Culture (Honors)	
HIST 104 or HIST 104H	Modern European History and Culture (Honors)	
ITAL 101	Elementary Italian (First Semester)	
ITAL 103	Elementary Italian for Spanish Speakers (First Semester)	

Total Units

18-19

Certificate of Achievement

Italian Language and Culture

This certificate provides students with a solid introduction to Italian language skills and culture. Completion of the certificate benefits students who are interested in learning about and effectively interacting with Italian culture and society. Students take the required language courses in the given sequence and choose an elective.

Program Student Learning Outcome Statement

Upon successful completion of this program, students will be able to:

- ▶ communicate in the Italian language at the Intermediate High level of ACTFL (American Council on the Teaching of Foreign Languages).
- ▶ demonstrate awareness and appreciation of cultural differences within Italian speaking communities.

Required courses:

ITAL 101	Elementary Italian (First Semester)	4
or ITAL 103	Elementary Italian for Spanish Speakers (First Semester)	
ITAL 102	Elementary Italian (Second Semester)	4
ITAL 201	Intermediate Italian (Third Semester)	4
ITAL 121	Introduction to Italian Culture	3
Select one elective course:		3-4
ART 258	Ancient to Gothic Art	
ART 259	History of Renaissance to Modern Art	
FILM 112	Film History II: 1945-Present	
or FILM 112H	Film History II: 1945-Present (Honors)	
HIST 103	Early European History and Culture	
or HIST 103H	Early European History and Culture (Honors)	
HIST 104	Modern European History and Culture	
or HIST 104H	Modern European History and Culture (Honors)	
ITAL 202	Intermediate Italian (Fourth Semester)	

Total Units **18-19**

NOTE: Students that have successfully challenged ITAL 101 as a pre-requisite, may be allowed to substitute another course from the elective list with departmental approval.

Courses

ITAL 101: Elementary Italian (First Semester)

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ITAL 102, ITAL 103, ITAL 201, or ITAL 202.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This introductory course develops Italian language acquisition through listening, speaking, reading, and writing. It covers basic Italian pronunciation, vocabulary, and grammar. It also explores the history, geography, and customs of the Italian-speaking world. This course corresponds to the first two years of high school Italian.

ITAL 102: Elementary Italian (Second Semester)

Units: 4

Prerequisites: ITAL 101 or two years of high school Italian with a "C" or better, or ITAL 103.

Enrollment Limitation: Not open to students with prior credit in ITAL 201 or ITAL 202.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course continues to develop Italian language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in ITAL 101, and it develops the students ability to engage in casual conversation, express opinions, and make suggestions in Italian. The course also provides for increased awareness of the Italian worlds history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the third year of high school Italian.

ITAL 103: Elementary Italian for Spanish Speakers (First Semester)

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ITAL 101, ITAL 102, ITAL 201, or ITAL 202.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Spring

This introductory course develops Italian language acquisition through listening, speaking, reading, and writing, with an emphasis on the structural similarities between Italian and Spanish. It covers basic Italian pronunciation, vocabulary, and grammar. It also explores the history, geography, and customs of the Italian-speaking world. This course corresponds to the first two years of high school Italian.

ITAL 121: Introduction to Italian Culture

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course introduces students of Italian to various aspects of the Italian culture and civilization. Areas of study include history, music, literature, philosophy, political ideas, customs, and Italy's influence on and contribution to the civilization of America and the world. The course does not require prior study of the Italian language or culture.

ITAL 201: Intermediate Italian (Third Semester)

Units: 4

Prerequisites: ITAL 102, or three years of high school Italian with a "C" or better.

Enrollment Limitation: Not open to students with prior credit in ITAL 202.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall

This course continues to develop Italian language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in ITAL 101 and ITAL 102, and it develops the student's ability to engage in casual conversation, express opinions, and make suggestions in Italian. The course also provides for increased awareness of the Italian history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the fourth year of high school Italian.

ITAL 202: Intermediate Italian (Fourth Semester)

Units: 4

Prerequisites: ITAL 201 or four years of high school Italian with a "C" or better.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: To be arranged

This course continues to develop Italian language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in ITAL 201. It also develops the student's ability to express opinions and make recommendations in Italian-language debates and discussions. The course provides for increased awareness of the Italian-speaking world's history, geography, and customs, including its socio-political practices and cultural artifacts through extensive reading and writing assignments as well as oral presentations.

ITAL 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

ITAL 296: Topics in Italian

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Italian that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Japanese

The International Languages Department offers courses that provide the foundation for Japanese language study. They also satisfy either the humanities requirement for general education or the proficiency requirement in an international language when required for transfer. A bachelor's degree in an international language such as Japanese can lead to a career in advertising, broadcasting, consulting, translating, teaching, international service, public relations, social work, and sales.

Note: Students educated in a non-English speaking country through high school or equivalent will generally not earn lower-division transfer credit in their language at most universities. Students who might be affected by this rule should consult a counselor and/or the International Languages Department Chair before enrolling in their language courses.

Academic and Career Pathway: Languages, Communication, and Humanities

Contact Information

Chair: Cristina Toharia
Dean: Jonathan Fohrman
<https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/japanese/index.html>

Department: International Languages
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Emiko Kiyochi

Associate Degree

Associate in Arts Degree

Japanese

The Japanese program offers lower-division preparation for students who plan on transferring to pursue a bachelor's degree in Japanese. Students planning to transfer and/or earn this associate degree may also need to complete additional requirements or electives required by the transfer institution, as many CSUs and UCs have unique admissions and preparation-for-the-major requirements. Students should meet with a MiraCosta College counselor to identify required courses and to develop a written plan for their targeted university.

To earn this associate degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete a general education pattern of courses (see Associate Degrees).
- ▶ Obtain a minimum GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome Statement

Upon successful completion of this program, students will be able to

- ▶ communicate in the Japanese language at the Intermediate High level of ACTFL (American Council on the Teaching of Foreign Languages) and N4 level of JLPT (Japanese Language Proficiency Test).
- ▶ demonstrate awareness and appreciation of cultural differences of Japanese speaking communities in comparison to their own culture and the dominant culture of the United States.

Required courses:

JAPN 101	Elementary Japanese (First Semester)	4
JAPN 102	Elementary Japanese (Second Semester)	4
JAPN 201	Intermediate Japanese (Third Semester)	4

JAPN 202	Intermediate Japanese (Fourth Semester)	4
Select three (3) units from the following courses.		3
JAPN 121	Introduction to Japanese Culture	
JAPN 210	Intermediate Conversation I and Reading	
Total Units		19

Certificates

Certificate of Achievement

Japanese

This certificate benefits students who are interested in learning about and effectively interacting with Japanese culture and society. Completion of the certificate provides students with a solid introduction to Japanese language skills and culture. Students take the required language courses in the given sequence and choose an elective to emphasize either conversational skills in Japanese or advanced cultural competency in English.

Program Student Learning Outcome Statement

Upon successful completion of this program, students will be able to

- ▶ communicate in the Japanese language at the Intermediate High level of ACTFL (American Council on the Teaching of Foreign Languages) and N4 level of JLPT (Japanese Language Proficiency Test).
- ▶ demonstrate awareness and appreciation of cultural differences of Japanese speaking communities in comparison to their own culture and the dominant culture of the United States.

Required courses:

JAPN 101	Elementary Japanese (First Semester)	4
JAPN 102	Elementary Japanese (Second Semester)	4
JAPN 201	Intermediate Japanese (Third Semester)	4
JAPN 202	Intermediate Japanese (Fourth Semester)	4
Select one of the following courses:		3
JAPN 121	Introduction to Japanese Culture	
JAPN 210	Intermediate Conversation I and Reading	
Total Units		19

Courses

JAPN 101: Elementary Japanese (First Semester)

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in JAPN 102, JAPN 201, or JAPN 202.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course introduces contemporary Japanese and the Japanese writing system (hiragana, katakana, and selected kanji characters). It examines the languages structure and emphasizes the development of language acquisition through listening, speaking, reading, and writing. Students learn about Japanese history, geography, and customs as well as about the relationship between language and culture. This course corresponds to the first two years of high school Japanese.

JAPN 102: Elementary Japanese (Second Semester)

Units: 4

Prerequisites: JAPN 101 or two years of high school Japanese with a "C" or better.

Enrollment Limitation: Not open to students with prior credit in JAPN 201 or JAPN 202.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course continues to develop Japanese language acquisition through listening, speaking, reading, and writing. It introduces more advanced kanji characters and reviews (recycles) first semester Japanese vocabulary and grammar. The course also continues to develop the student's ability to read, interpret, and discuss Japanese-language narratives about newly introduced cultural aspects of the Japanese-speaking world. This course corresponds to the third year of high school Japanese.

JAPN 121: Introduction to Japanese Culture

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to various aspects of Japanese culture and society. Areas of study include history, music, literature, philosophy, political ideas, customs, and Japan's influence on and contribution to the civilization of America and the world. The course does not require prior study of the language or culture.

JAPN 201: Intermediate Japanese (Third Semester)

Units: 4

Prerequisites: JAPN 102 or three years of high school Japanese with a "C" or better.

Enrollment Limitation: Not open to students with prior credit in JAPN 202.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall

This third course in the Japanese language sequence continues to develop Japanese language acquisition through listening, speaking, reading, and writing at the intermediate-mid level. It introduces more advanced kanji characters and reviews (recycles) first-year Japanese vocabulary and grammar. The course also continues to develop the student's ability to read, interpret, and discuss Japanese-language narratives about newly introduced cultural aspects of the Japanese-speaking world. This course corresponds to the fourth year of high school Japanese.

JAPN 202: Intermediate Japanese (Fourth Semester)

Units: 4

Prerequisites: JAPN 201 or four years of high school Japanese with a "C" or better.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: To be arranged

This fourth semester course in the Japanese language sequence continues to develop Japanese language acquisition through listening, speaking, reading, and writing at the intermediate-high level. Students practice writing in Japanese with kanji characters, review grammar and syntax, and expand their vocabulary and knowledge of idiomatic constructions. The course also continues to develop the student's ability to read, interpret, and discuss Japanese-language narratives about Japanese history, geography, and culture.

JAPN 210: Intermediate Conversation I and Reading

Units: 3

Prerequisites: JAPN 102 or three years of high school Japanese with a "C" or better.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course stresses oral communication and reading comprehension through cultural materials in order to improve and expand the student's conversational skills in Japanese. It emphasizes practical topics, fundamental and expanded vocabulary, and commonly used idioms. Students learn to employ Japanese in general discussions of assigned topics and simple dialogues. The course also reviews communicative functions.

JAPN 211: Intermediate Conversation II and Writing

Units: 3

Prerequisites: JAPN 210.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This continuation of JAPN 210 is intended for students who want to further enhance their skills in Japanese. The course stresses oral and written communication through cultural materials in order to improve and expand the student's conversational skills in Japanese. It emphasizes practical topics, fundamental and expanded vocabulary, and commonly used idioms. Students learn to employ Japanese in general discussions of a variety of culturally relevant topics and dialogues. The course also reviews and practices communicative functions.

JAPN 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

JAPN 296: Topics in Japanese

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Japanese that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Kinesiology

Kinesiology is the study of human anatomy, physiology, and the mechanics of body movement. Students take courses to prepare for entry-level positions in health and fitness clubs, wellness centers, and individualized personal training as well as for university transfer. Career options include personal

trainer, exercise instructor, and various positions at fitness and recreational centers or in school or recreational programs. With a bachelor's degree in kinesiology, students can apply to physical therapy programs or pursue careers in athletic training, fitness, nutrition, physical education, or other health-related fields.

Academic and Career Pathway: Health Sciences

Contact Information

Chair: Casey McFarland**Dean:** Al Taccone

<https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/kinesiology/index.html>

Department: Kinesiology, Health and Nutrition**Office:** Building OC4800, 760.795.6811

Full-Time Faculty

Robert Fulbright

Casey McFarland

Associate Degree

Students interested in the field of kinesiology can earn an Associate in Arts degree in Liberal Arts with an Area of Emphasis in Applied Health, Nutrition, and Kinesiology (see degree requirements (p. 277)).

Certificates

Certificate of Achievement

Personal Fitness Trainer

This certificate is designed for individuals interested in entering the field of fitness training and/or instruction. Students completing the certificate should be prepared for entry-level positions in the health and fitness industry, such as health and fitness clubs, wellness centers, schools, and YMCAs, and for training individual clients. Upon completion of the certificate program, students may consider sitting for the National Academy of Sports Medicine (NASM), American College of Sports Medicine (ACSM), American Council on Exercise (ACE), National Strength & Conditioning Association (NSCA), and National Council Strength & Fitness (NCSF) national certification exams.

Program Student Learning Outcome Statement

- Upon completion of this program, a student will be able to describe how to implement fitness assessments and proper protocols for cardio-respiratory, muscular strength, muscular endurance, flexibility, and body composition.

Required courses:		
BUS 130	Entrepreneurship and Small Business Management	3
KINE 190	Introduction to Kinesiology	3
KINE 203	Techniques in Athletic Training	3
KINE 204	Techniques and Analysis of Fitness and Weight Training	3
KINE 210	Exercise Prescription for Special Populations	3
KINE 292	Internship Studies *	1.5-3

NUTR 105	Human Performance and Sports Nutrition	3
Select a minimum of three units from the courses below:		3
HEAL 222	Stress Management	
KINE 100	Beginning Weight Training	
KINE 101	Intermediate Weight Training	
KINE 102	Advanced Weight Training	
KINE 110	Walking for Fitness	
KINE 112	Beginning Cardio Training	
KINE 113	Intermediate Cardio Training	
KINE 114	Advanced Cardio Training	
KINE 145	Yoga Teacher Training Foundation	
KINE 147	Yoga Teacher Training Development	
KINE 149	Yoga Teacher Training Integration	
KINE 150	Beginning Yoga	
KINE 154	Intermediate Yoga	
KINE 155	Advanced Yoga	
KINE 156	Beginning Flexibility Training	
KINE 157	Intermediate Flexibility Training	
KINE 158	Advanced Flexibility Training	
KINE 159	Yoga Teacher Training Implementation	
KINE 161	Beginning Martial Arts	
KINE 162	Intermediate Martial Arts	
KINE 163	Advanced Martial Arts	
Total Units		22.5-24

* For KINE 292, a minimum of 1.5 units or a maximum of 3 units may be applied to this certificate.

Certificate of Achievement

Yoga Instructor (300 Hours)

The Yoga Instructor 300-hour certificate prepares students to become a 500-hour certified yoga teacher. This comprehensive and wisdom-based program uses anatomy and physiology as well as English and Sanskrit terminology to provide students with both a broad background and practical experience in the essential elements of yoga. Completion of the program prepares students for employment in health clubs, spas, yoga studios, hospitals, and the health industry as well as for self-employment as yoga instructors.

Program Student Learning Outcome Statement

- Upon completion of this program, a student will be able to demonstrate intelligent and safe sequences and themes for a wide population.

Required courses:		
KINE 149	Yoga Teacher Training Integration	3
KINE 154	Intermediate Yoga	1
KINE 155	Advanced Yoga	1
KINE 159	Yoga Teacher Training Implementation	3
HEAL 205	Integrative Health and Wellness	3
KINE 292	Internship Studies	1-3

or KINE 299	Occupational Cooperative Work Experience	
Total Units		12-14

Certificate of Proficiency

Yoga Instructor (200 Hours)

The Yoga Instructor 200-hour certificate prepares students to become a 200-hour certified yoga teacher. This comprehensive and wisdom-based program uses anatomy and physiology as well as English and Sanskrit terminology to provide students with both a broad background and practical experience in the essential elements of yoga. Completion of the program prepares students for employment in health clubs, spas, yoga studios, hospitals, and the health industry as well as for self-employment as yoga instructors.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to demonstrate proper technique in movement and body placement.

Required courses:		
KINE 145	Yoga Teacher Training Foundation	3
KINE 147	Yoga Teacher Training Development	3
KINE 150	Beginning Yoga	1
Total Units		7

Courses Related in Content (CRC)

Active participatory kinesiology courses that are related in content are grouped together. Students are allowed four enrollments within each CRC group, but each course may be taken only once unless its catalog description indicates it is repeatable. Enrollments include any combination of course completions (with an evaluative or nonevaluative symbol recorded on the student's transcript), withdrawals, and repetition.

Cardiorespiratory Training CRC

KINE 112	Beginning Cardio Training
KINE 113	Intermediate Cardio Training
KINE 114	Advanced Cardio Training

Flexibility Training CRC

KINE 156	Beginning Flexibility Training
KINE 157	Intermediate Flexibility Training
KINE 158	Advanced Flexibility Training

Martial Arts CRC

KINE 161	Beginning Martial Arts
KINE 162	Intermediate Martial Arts
KINE 163	Advanced Martial Arts

Weight Training CRC

KINE 100	Beginning Weight Training
KINE 101	Intermediate Weight Training
KINE 102	Advanced Weight Training

Yoga CRC

KINE 150	Beginning Yoga

KINE 154 Intermediate Yoga

KINE 155 Advanced Yoga

Courses

KINE 100: Beginning Weight Training

Units: 0.5-1

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among KINE 100, KINE 101, KINE 102, and KINE 144.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course implements the latest scientific functional training methodologies to enhance activities of daily living, weight loss, body appearance, bone density, stress reduction, core strength, balance, and coordination while decreasing the risk of orthopedic injury and low back pain through functional resistance training. It is designed for students interested in increasing muscular strength, muscular endurance, body composition, and movement performance. (May be repeated three times.) UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 101: Intermediate Weight Training

Units: 0.5-1

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among KINE 100, KINE 101, KINE 102, and KINE 144.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This stabilization training course addresses physical structural imbalances and emphasizes stabilization endurance training. Students perform stabilization training exercises in a proprioceptively enriched environment to improve alignment of the kinetic chain. They focus on increasing their ability to stabilize their joints, improve posture, and enhance neuromuscular efficiency. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units. (Formerly KINE 141)

KINE 102: Advanced Weight Training

Units: 0.5-1

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among KINE 100, KINE 101, KINE 102, and KINE 144.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This strength endurance course improves stabilization endurance and increases prime mover strength. Students perform exercises in strength endurance, hypertrophy, and maximal strength phases to improve overall work capacity, enhance joint stabilization, and increase lean body mass. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units. (Formerly KINE 143)

KINE 110: Walking for Fitness

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

Students enhance their individual health and well-being and develop positive attitudes toward life-long fitness and wellness through fitness walking. The course focuses on improving an individual's cardiopulmonary functioning, body composition, goal setting, nutritional awareness, and weight management through behavior management. Students must provide their own activity-tracking device or application. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 112: Beginning Cardio Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This cardiorespiratory stabilization training course is designed to improve cardiorespiratory fitness in students through a variety of low-level intensity cardiovascular conditioning activities. Students learn how to develop cardiorespiratory stabilization training programs. Topics include the benefits of cardiorespiratory stabilization training, the cardiovascular system, and cardiorespiratory stabilization acute training variables, modalities, guidelines, and methods. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 113: Intermediate Cardio Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This cardiorespiratory strength training course is designed to improve cardiorespiratory fitness in students through a variety of moderate-to-high level intensity cardiovascular conditioning activities. Students learn how to develop cardiorespiratory strength training programs. Topics include the benefits of cardiorespiratory strength training, the cardiovascular system, and cardiorespiratory strength acute training variables, modalities, guidelines, and methods. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 114: Advanced Cardio Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This cardiorespiratory power training course is designed to improve cardiorespiratory fitness in students through a variety of high-level intensity cardiovascular conditioning activities. Students learn how to develop cardiorespiratory power training programs. Topics include the benefits of cardiorespiratory power training, the cardiovascular system, and cardiorespiratory power acute training variables, modalities, guidelines, and methods. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 145: Yoga Teacher Training Foundation

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on the fundamentals of yoga that are essential for both practice and teaching. Students learn proper body mechanics, anatomy, alignment principles, and breathing techniques as they relate to the performance and instruction of beginning yoga poses. Topics include the history and philosophy of yoga, Sanskrit terminology, injury prevention, and vocational opportunities.

KINE 147: Yoga Teacher Training Development

Units: 3

Prerequisites: None

Advisory: KINE145

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides students with the tools to design and teach a 60-minute yoga class with verbal clarity. It integrates yogic history and philosophy with yoga sutras, body mechanics and alignment, and complementary practices, such as breathing styles and developing intelligent flow sequences. Topics include principles of teaching yoga as well as lifestyle choices and ethics for yoga teachers. Students are required to attend an off-campus yoga class.

KINE 149: Yoga Teacher Training Integration

Units: 3

Prerequisites: None

Advisory: KINE 145, KINE 147, and KINE 150.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides students with the tools to deepen their independent yoga practice in order to strengthen their teaching and develop a personal teaching style. Topics include designing, integrating, and implementing knowledge and teaching of asanas, pranayama techniques, meditation, and yogic history and philosophy. Students learn about Ayurveda, the subtle body, and yoga for special populations.

KINE 150: Beginning Yoga

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the beginning practice of yoga. Students learn the practice of gentle, restorative, and vinyasa flow to improve concentration, physical endurance, flexibility, balance, and posture. The course integrates basic breathing techniques to increase oxygen intake, enhance the mind-body connection, and reduce stress. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 154: Intermediate Yoga

Units: 0.5-1

Prerequisites: KINE 150.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the intermediate practice of yoga. Students learn the practice of gentle, restorative, and vinyasa flow to improve concentration, physical endurance, flexibility, balance, and posture. The course integrates intermediate breathing techniques to increase oxygen intake, enhance the mind-body connection, and reduce stress. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 155: Advanced Yoga

Units: 0.5-1

Prerequisites: KINE 150

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the advanced practice of yoga. Students learn the practice of restorative and vigorous vinyasa flow to improve concentration, physical endurance, flexibility, balance, and posture. The course integrates advanced breathing techniques to increase oxygen intake, enhance the mind-body connection, and reduce stress. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 156: Beginning Flexibility Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This corrective flexibility course is designed to increase joint range of motion, improve muscle imbalances, correct altered joint motion, and address posture distortions. Correct flexibility includes self-myofascial release and static stretching. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 157: Intermediate Flexibility Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This active stretching course is designed to use agonists and synergists to dynamically move the joint into a range of motion. This form of stretching increases motorneuron excitability, creating reciprocal inhibition of the muscle being stretched. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 158: Advanced Flexibility Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This functional flexibility course is designed to use force production of a muscle and the body's momentum to take a joint through the full available range of motion. Dynamic stretching uses the concept of reciprocal inhibition to improve soft tissue extensibility. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 159: Yoga Teacher Training Implementation

Units: 3

Prerequisites: KINE 145, KINE 147, and KINE 150.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides students with the advanced knowledge and skills to design and implement all-level yoga classes and yoga-based educational workshops. It integrates in-depth study of yogic philosophy and Sanskrit terminology with injury management and the use of props for asana progressions and regressions as well as intelligent sequencing and theming to create purposeful class experiences.

KINE 161: Beginning Martial Arts

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the beginning skills of martial arts, which is a nonaggressive yet highly effective form of self-defense. Students learn about the history and philosophy of martial arts, safety procedures, standards of etiquette, body dynamics, and precise beginning-level movements in a setting of diligent, cooperative training. NOTE: A Gi uniform is required (approximately \$40); please attend the first class before purchasing. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 162: Intermediate Martial Arts

Units: 0.5-1

Prerequisites: KINE 161.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to intermediate skills of martial arts, which is a nonaggressive yet highly effective form of self-defense. Students learn about intermediate movements and body dynamics, safety procedures, and standards of etiquette in a setting of diligent, cooperative training. NOTE: A Gi uniform is required (approximately \$40); please attend the first class before purchasing. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 163: Advanced Martial Arts

Units: 0.5-1

Prerequisites: KINE 162.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to advanced skills of martial arts, which is a nonaggressive yet highly effective form of self-defense. Students learn about advanced movements and body dynamics, safety procedures, meditation techniques, and advanced defense strategies in a setting of diligent, cooperative training. NOTE: A Gi uniform is required (approximately \$40); please attend the first class before purchasing. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 190: Introduction to Kinesiology

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the field of kinesiology and nutrition, including its history, scope, and sub-disciplines. Students explore principles of kinesiology and career opportunities within kinesiology and nutrition/dietetics as well as professional characteristics and ethical responsibilities of those who work in the field. Topics include nutrition, biomechanics, fitness/posture assessments, assessment tool use (body fat, flexibility, cardiorespiratory), exercise prescriptions, and behavior management.

KINE 200: Physical Education in the Elementary School

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course teaches students how to develop physical education curriculum to best meet the needs of elementary school children based on national and state physical and health education content standards for California public schools. The course emphasizes the role and significance of physical education, instructional methods, and motor skill, movement, and total wellness concepts, including nutrition, disease prevention, and the adverse effects of drug/narcotic, alcohol, and tobacco use.

KINE 203: Techniques in Athletic Training

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course explores the basic fundamentals of athletic injury health care. It emphasizes prevention, recognition, basic assessment, immediate care, treatment, and rehabilitation of common athletic injuries. Topics include theory and application of taping and wrapping, basic first aid, emergency field care, and anatomical landmark recognition. UC CREDIT LIMITATION: Any or all KINE theory courses, maximum credit, 8 units.

KINE 204: Techniques and Analysis of Fitness and Weight Training

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

In this introduction to personal fitness training, students design a comprehensive fitness program that includes muscular strength and endurance, flexibility, and cardiorespiratory and core training to meet individual client needs. The course emphasizes program design, fitness assessment, posture analysis, biomechanics, exercise physiology, muscle anatomy, professional development, nutrition, goal setting, and behavior modification. UC CREDIT LIMITATION: Any or all KINE theory courses, maximum credit, 8 units.

KINE 210: Exercise Prescription for Special Populations

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course examines the exercise implications for special populations related to age, medical condition, and level of fitness. Topics include exercise prescription for heart conditions, stroke, diabetes, orthopedic problems, obesity, hyperlipidemia, pregnant, asthmatic, spinal cord injury, multiple sclerosis, epilepsy, cerebral palsy, older adult populations, and children. The course also covers the role of exercise in risk factor modification as well as contraindications to exercise for special populations.

KINE 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

KINE 296: Topics in Kinesiology

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Kinesiology that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

KINE 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Learning Skills

The Learning Skills program offers skills courses for students with learning disabilities.

Contact Information

Chair: Jeff Higginbotham**Dean:** Wendy Stewart

www.miracosta.edu/sas

Department: Student

Accessibility Services (SAS)

Office: Oceanside, Building 3000, 760.795.6658

Full-Time Faculty

Kris Peck

Courses

LRNS 40: Educational Planning and Assessment

Units: .5

Prerequisites: None

Lecture 0.50 hour.

Course Typically Offered: Fall, Spring

This course is designed for students who have a suspected learning disability. A learning disabilities specialist evaluates the student's learning strengths, weaknesses, and styles with a goal toward establishing appropriate educational objectives and improved academic performance. Initial and follow-up instruction strengthen the student's understanding of results and applications of their learning disabilities. Offered pass/no pass only.

LRNS 42: Strategies Designed for Students with Learning Disabilities: Mathematics

Units: 3

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This is a self-paced course designed for students with learning disabilities. Students receive instruction in mathematics as prescribed by individualized plans. The course emphasizes visual and auditory processing skills through work in mathematics plus compensatory techniques. Additional areas of study include self-advocacy and learning strategies.

LRNS 46: English Essentials Designed for Students with Learning Disabilities

Units: 3

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course prepares students to write clear and organized sentences, paragraphs, and essays. Students review basic principles of grammar and usage and learn to identify and apply knowledge of main ideas and supporting details in their reading and writing. They also utilize study strategies to enhance learning in classes incorporating written language. The course focuses on individual learning and compensatory techniques and incorporates self-advocacy, disability-management, and learning strategies. This course is designed for students with learning disabilities.

Liberal Arts

The liberal arts associate degree's integrated curriculum offers students a broad knowledge of the arts, humanities, mathematics, sciences, and social sciences, and it presents an appreciation of their contribution to society from historical and contemporary perspectives. Students are provided with a well-rounded education that offers the opportunity for depth of knowledge within an area of emphasis. This multidisciplinary approach enables students to develop communication, critical thinking, and intellectual skills that effectively prepare them for lifelong learning and advanced study in a wide range of majors at the university level. Career paths after the attainment of a bachelor's degree include the fields of administration, communications, education, finance, law, management, and the visual and performing arts.

Students should select two or more courses within a single discipline in an "area of emphasis" to expand their depth of knowledge within a discipline. Students are advised to meet with a counselor to select the area of emphasis that is most appropriate to their educational goal. All courses in the area of emphasis must be completed with a letter grade of "C" or "P" or better. Students may earn only one emphasis within the liberal arts major.

Contact Information

Chair: Joanne Benschop**Office:** Building OCT550,
760.795.6881

Full-Time Faculty

Joanne Benschop

Associate Degrees

Associate in Arts Degrees

- ▶ Liberal Arts with an Area of Emphasis in Applied Health, Nutrition, and Kinesiology (p. 277)
- ▶ Liberal Arts with an Area of Emphasis in Arts and Humanities (p. 278)
- ▶ Liberal Arts with an Area of Emphasis in Business and Technology (p. 280)
- ▶ Liberal Arts with an Area of Emphasis in Creative and Applied Arts (p. 281)
- ▶ Liberal Arts with an Area of Emphasis in Mathematics and Sciences (p. 283)
- ▶ Liberal Arts with an Area of Emphasis in Multicultural Studies (p. 285)
- ▶ Liberal Arts with an Area of Emphasis in Social and Behavioral Sciences (p. 287)
- ▶ Liberal Arts - Elementary Subject Matter Education (p. 276)

Liberal Arts - Elementary Subject Matter Education

Academic and Career Pathway: Social and Behavioral Sciences

Associate in Arts Degree

Liberal Arts - Elementary Subject Matter Education

This program is specifically geared to the Cal State San Marcos Liberal Studies major. It incorporates subject requirements for the Elementary Subject Matter (ESM) and Integrated Teacher Education Program (ITEP) teaching tracks. All CSU general education certification areas are addressed. There can be no course substitutions on this degree. Upon completion of this degree, students will be prepared to enter the CSUSM Liberal Studies program. Upon completion of that program, students will be waived from the California Subject Examination for Teachers (CSET) testing requirements for admission to a California Multiple Subject credential program.

Program Student Learning Outcome Statement

- ▶ Upon successful completion of this program, students will demonstrate proficiency in lower-division academic content areas required for subject matter competency for elementary teaching credential students.

Foundation

EDUC 115	Foundations of Teaching as a Profession	3
Critical Thinking - Select one course.		3-4
COMM 212	Argumentation	

ENGL 201	Critical Thinking, Composition, and Literature	
ENGL 201H	Critical Thinking, Composition, and Literature (Honors)	
ENGL 202	Critical Thinking and Composition	
ENGL 202H	Critical Thinking and Composition (Honors)	
PHIL 100	Critical Thinking	
PHIL 110	Introduction to Logic	
PHIL 110H	Introduction to Logic (Honors)	
PSYC 105	Critical Thinking in Psychology	
READ 100	Critical Reading and Thinking	
History and Social Science - Four courses required.		13
HIST 100	World History to 1500	
or HIST 100H	World History to 1500 (Honors)	
HIST 110	United States History to 1877	
or HIST 110H	United States History to 1877 (Honors)	
GEOG 104	World Geography	
PLSC 102	American Institutions and History	
Human Development		3
CHLD 113	Child and Adolescent Growth and Development	
Language - Two courses required.		7
LING 110	English Language Structure and Function	
FREN 101	Elementary French (First Semester)	
or GRMN 101	Elementary German (First Semester)	
or ITAL 101	Elementary Italian (First Semester)	
or JAPN 101	Elementary Japanese (First Semester)	
or SPAN 101	Elementary Spanish (First Semester)	
Mathematics - Two courses required.		6
MATH 105	Concepts and Structures of Elementary Mathematics I	
MATH 106	Concepts and Structures of Elementary Mathematics II	
Physical Education		3
KINE 200	Physical Education in the Elementary School	
Science - Three courses required.		10
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)	
or BIO 111 & 111L	Introductory Biology: Preparation for Pre-Health Professions (Lecture) and Introductory Biology: Preparation for Pre-Health Professions (Lab)	
EART 106	Earth and Space Science	
or EART 106H	Earth and Space Science (Honors)	
or GEOG 101	Physical Geography	
PHSN 106	Introduction to Physical Science: Physics and Chemistry	
Speaking, Reading and Literature - Three courses required.		10
COMM 101	Public Speaking	
or COMM 106	Group Communication	
or COMM 207	Interpersonal Communication	

ENGL 100	Composition and Reading	
or ENGL 100H	Composition and Reading (Honors)	
LIT 120	Introduction to Literature	
Visual and Performing Arts - Two courses required.		6
MUS 116	A Survey of World Music	
ART 100	Drawing and Composition	
or ART 101	Design and Color	
or ART 102	Drawing and Composition II	
or ART 103	3D Design	
or DNCE 185	Choreography	
or DRAM 130	Acting I	
or MUS 101	Music Theory I	
Total Units		64-65

Liberal Arts with an Area of Emphasis in Applied Health, Nutrition, and Kinesiology

Academic and Career Pathway: Health Sciences

Associate in Arts Degree

Liberal Arts with an Area of Emphasis in Applied Health, Nutrition, and Kinesiology

The integrated pattern of courses listed below is focused on the theoretical and applied aspects of health and nutrition. These courses can assist students in developing an understanding of the theories and concepts related to healthful living strategies and provide a foundation for entry into allied health careers. Students transferring to a four year university may choose courses that will provide a basic foundation for further university study in areas such as kinesiology, nutrition, nursing, and the health sciences. Potential career paths include the fields of food science, dietetics and nutrition, education, community health education, athletic training, physical therapy, and medical technicians. Students are advised to meet with a counselor to select courses that are most appropriate to their educational goal.

To earn this associate degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete a general education pattern of courses (see Associate Degrees (p. 67)).
- ▶ Obtain a minimum GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to develop communication, critical thinking, and intellectual skills that effectively prepare him/her for lifelong learning and for advanced study in a wide range of majors at the university level.

Students must complete a total of 18 units.

List A: Select a minimum of 6 units from the following courses: 6

BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)
or BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)
BIO 202	Foundations of Biology: Evolution, Biodiversity, and Organismal Biology
BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology
or BIO 204H	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology (Honors)
BIO 210	Human Anatomy
or BIO 210H	Human Anatomy (Honors)
BIO 220	Human Physiology
BIO 230	Introduction to Microbiology
CHEM 112	Introductory General, Organic, and Biological Chemistry: For Allied Health Majors
CHEM 115	Introductory General Chemistry: For Allied Health Majors
or CHEM 115H	Introductory General Chemistry: For Allied Health Majors (Honors)
CHEM 116	Introductory Organic and Biological Chemistry: For Allied Health Majors
CHEM 140	Preparation for General Chemistry: For Science Majors
CHEM 150	General Chemistry I: For Science Majors
or CHEM 150H	General Chemistry I: For Science Majors (Honors)
CHEM 151	General Chemistry II: For Science Majors
or CHEM 151H	General Chemistry II: For Science Majors (Honors)

List B: Select 6 units from the following courses: 6

HEAL 101	Principles of Health
HEAL 200	First Aid and Safety
HEAL 201	CPR and AED
KINE 190	Introduction to Kinesiology
KINE 200	Physical Education in the Elementary School
KINE 203	Techniques in Athletic Training
KINE 204	Techniques and Analysis of Fitness and Weight Training
NUTR 100	Nutrition Today

or NUTR 100H	Nutrition Today (Honors)	
NUTR 105	Human Performance and Sports Nutrition	
List C: Select a minimum of 6 units from the following courses:		6
ANTH 102	Cultural Anthropology	
or ANTH 102H	Cultural Anthropology (Honors)	
BTEC 180	Biostatistics	
or BTEC 180H	Biostatistics (Honors)	
BUS 204	Business Statistics	
or BUS 204H	Business Statistics (Honors)	
COMM 101	Public Speaking	
COMM 207	Interpersonal Communication	
GERO 101	Introduction to Aging	
MATH 103	Statistics	
or MATH 103S	Statistics with Integrated Support	
NURS 155	Basic Medical Terminology	
NUTR 108	Cultural Aspects of Foods and Nutrition	
NUTR 125	Nutrition and Aging	
PSYC 101	General Psychology	
or PSYC 101H	General Psychology (Honors)	
PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
SOC 101	Introduction to Sociology	
or SOC 101H	Introduction to Sociology (Honors)	
SOC 125	Introduction to Statistics in Sociology	

Liberal Arts with an Area of Emphasis in Arts and Humanities

Academic and Career Pathway: Languages, Communication, and Humanities

Associate in Arts Degree

Liberal Arts with an Area of Emphasis in Arts and Humanities

These courses emphasize the study of cultural literacy, humanistic activities, and the artistic expression of human beings. Students evaluate and interpret the ways in which people through the ages in different cultures have responded to themselves and the world around them in artistic and cultural creation. Students also learn to value aesthetic understanding and to incorporate these concepts when constructing value judgments. This area of emphasis prepares students for a variety of majors within the humanities discipline, including creative writing, English, humanities and art, linguistics, literature and writing studies, museum studies, religious studies, and philosophy. It also provides lower-division preparation for a wide range of majors within the communication studies discipline.

To earn this associate degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete a general education pattern of courses (see Associate Degrees (p. 67)).
- ▶ Obtain a minimum GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to develop communication, critical thinking, and intellectual skills that effectively prepare him/her for lifelong learning and for advanced study in a wide range of majors at the university level.

Select a minimum of 18 units from the following:

ART 100	Drawing and Composition	3
ART 101	Design and Color	3
ART 103	3D Design	3
ART 157	Art Orientation	3
ART 158	Traditional Arts of Africa, Oceania, and the Americas	3
ART 159	Pre-Columbian Art	3
or ART 159H	Pre-Columbian Art (Honors)	
ART 201	Objects and Ideas in Contemporary Art	3
ART 234	Kinetic Art	3
ART 244	Digital Media for the Visual Artist	3
ART 254	Understanding and Appreciating the Photographic Image	3
ART 258	Ancient to Gothic Art	3
ART 259	History of Renaissance to Modern Art	3
ART 260	History of Modern Art	3
or ART 260H	History of Modern Art (Honors)	
ART 290	Landmarks of Art	3
COMM 101	Public Speaking	3
COMM 106	Group Communication	3
COMM 111	Narrative Performance	3
COMM 120	Principles of Human Communication	3
COMM 207	Interpersonal Communication	3
COMM 212	Argumentation	3
COMM 215	Intercultural Communication	3
COMM 220	Introduction to Mass Communication	3
DESN 107	History of Western Architecture-A Sustainable Perspective	3
DESN 108	World Architecture	3
DNCE 100	Dance Appreciation	3
or DNCE 100H	Dance Appreciation (Honors)	
DNCE 101	Dance History	3
or DNCE 101H	Dance History (Honors)	
DNCE 104	Dance on Film	3
DNCE 105	Dance Cultures of the World	3
or DNCE 105H	Dance Cultures of the World (Honors)	

DRAM 105	Introduction to Theatre	3	or HIST 111H	United States History Since 1877 (Honors)	
DRAM 130	Acting I	3	HIST 115	Women in American History	3
DRAM 134	Introduction to Performance	3	or HIST 115H	Women in American History (Honors)	
DRAM 222	Introduction to Black Theater	3	HUMN 101	Introduction to the Arts	3
ENGL 100	Composition and Reading	4	or HUMN 101H	Introduction to the Arts (Honors)	
or ENGL 100H	Composition and Reading (Honors)		HUMN 201	Cultural Eras in the Humanities: Prehistory to 1600	3
ENGL 201	Critical Thinking, Composition, and Literature	4	HUMN 202	Humanities of the Western World: The Renaissance to the Twentieth Century	3
or ENGL 201H	Critical Thinking, Composition, and Literature (Honors)		HUMN 205	Women in Western Art and Literature	3
ENGL 202	Critical Thinking and Composition	4	ITAL 101	Elementary Italian (First Semester)	4
or ENGL 202H	Critical Thinking and Composition (Honors)		ITAL 102	Elementary Italian (Second Semester)	4
FILM 101	Introduction to Film	3	ITAL 103	Elementary Italian for Spanish Speakers (First Semester)	4
or FILM 101H	Introduction to Film (Honors)		ITAL 121	Introduction to Italian Culture	3
FILM 106	Study of Filmed Plays	3	ITAL 201	Intermediate Italian (Third Semester)	4
FILM 111	Film History I: 1880-1945	3	ITAL 202	Intermediate Italian (Fourth Semester)	4
or FILM 111H	Film History I: 1880-1945 (Honors)		JAPN 101	Elementary Japanese (First Semester)	4
FILM 112	Film History II: 1945-Present	3	JAPN 102	Elementary Japanese (Second Semester)	4
or FILM 112H	Film History II: 1945-Present (Honors)		JAPN 121	Introduction to Japanese Culture	3
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3	JAPN 201	Intermediate Japanese (Third Semester)	4
or FILM 211H	Identity and Film: Race, Class, Gender and Sexuality (Honors)		JAPN 202	Intermediate Japanese (Fourth Semester)	4
FILM 212	Women and Film: Representation and Impact	3	JAPN 210	Intermediate Conversation I and Reading	3
or FILM 212H	Women and Film: Representation and Impact (Honors)		LIT 100	Introduction to Chicano Chicana Literature	3
FREN 101	Elementary French (First Semester)	4	LIT 101	Introduction to Asian American Literature	3
FREN 102	Elementary French (Second Semester)	4	LIT 120	Introduction to Literature	3
FREN 121	Introduction to French Culture	3	LIT 122	Introduction to African American Literature	3
FREN 201	Intermediate French (Third Semester)	4	LIT 250	American Literature: First Contact Through the Civil War	3
FREN 202	Intermediate French (Fourth Semester)	4	or LIT 250H	American Literature: First Contact Through the Civil War (Honors)	
GRMN 101	Elementary German (First Semester)	4	LIT 251	American Literature: Mid-1800s to the Present	3
GRMN 102	Elementary German (Second Semester)	4	or LIT 251H	American Literature: Mid-1800s to the Present (Honors)	
GRMN 121	Introduction to German Culture	3	LIT 260	English Literature Through the 18th Century	3
GRMN 201	Intermediate German (Third Semester)	4	or LIT 260H	English Literature Through the 18th Century (Honors)	
HIST 100	World History to 1500	3	LIT 261	English Literature: Romantic to Contemporary	3
or HIST 100H	World History to 1500 (Honors)		or LIT 261H	English Literature: Romantic to Contemporary (Honors)	
HIST 101	World History Since 1500	3	LIT 265	Shakespeare Studies	3
or HIST 101H	World History Since 1500 (Honors)		or LIT 265H	Shakespeare Studies (Honors)	
HIST 103	Early European History and Culture	3			
or HIST 103H	Early European History and Culture (Honors)				
HIST 104	Modern European History and Culture	3			
or HIST 104H	Modern European History and Culture (Honors)				
HIST 110	United States History to 1877	3			
or HIST 110H	United States History to 1877 (Honors)				
HIST 111	United States History Since 1877	3			

LIT 270	World Literature to 1600	3
or LIT 270H	World Literature to 1600 (Honors)	
LIT 271	World Literature Since 1600	3
MAT 105	History of Graphic Design	3
MUS 100	Introduction to Music Theory	3
MUS 112	American Popular Music	3
MUS 113	The Music of America	3
MUS 114	History of Rock and Roll	3
MUS 115	History of Classical Music	3
MUS 116	A Survey of World Music	3
MUS 119	Jazz History	3
or MUS 119H	Jazz History (Honors)	
PHIL 100	Critical Thinking	3
PHIL 101	Introduction to Philosophy: Knowledge and Reality	3
or PHIL 101H	Introduction to Philosophy: Knowledge and Reality (Honors)	
PHIL 102	Contemporary Moral Problems	3
PHIL 221	Philosophy of Religion	3
READ 100	Critical Reading and Thinking	3
RELG 101	World Religions	3
or RELG 101H	World Religions (Honors)	
RELG 103	Religion in America	3
RELG 105	Eastern Religions	3
SOC/CCS 232	Critical Issues in Chicana and Latina Studies	3
SPAN 101	Elementary Spanish (First Semester)	4
SPAN 102	Elementary Spanish (Second Semester)	4
SPAN 201	Intermediate Spanish (Third Semester)	4
SPAN 202	Intermediate Spanish (Fourth Semester)	4
SPAN 205	Hispanic Film, Literature, and Composition	3

Liberal Arts with an Area of Emphasis in Business and Technology

Academic and Career Pathway: Business and Technology

Associate in Arts Degree

Liberal Arts with an Area of Emphasis in Business and Technology

This pattern of courses is designed to provide students with the introductory skills and knowledge required for entry to the world of business, commerce, and technology. Students are introduced to technical skills required in business, and the business courses emphasize theories, strategies, and practices that are applicable to small entrepreneurial ventures as well as business conducted in the global marketplace. The computer studies information and technology courses (CSIT) and the media arts technology courses (MAT) provide students with

the opportunity to develop, access, analyze, and integrate information in a professional setting. Critical thinking courses focus on the development of decision making and problem solving techniques. This emphasis is ideal for the liberal arts student seeking an enhanced understanding of the business environment and the practical application of the skills required for success in the business world. Students transferring to a university may choose courses that will prepare them for majors in accounting, finance, business, and economics, or courses selected can provide a lower-division foundation for a business minor. Career paths include employment in the fields of management, marketing, accounting, music, the hospitality industry, and information technology. Students are advised to meet with a counselor to select courses that are most appropriate to their educational goal.

To earn this associate degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete a general education pattern of courses (see Associate Degrees (p. 67)).
- ▶ Obtain a minimum GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to develop communication, critical thinking, and intellectual skills that effectively prepare him/her for lifelong learning and for advanced study in a wide range of majors at the university level.

Students must complete a minimum of 18 units.

List A: Select a minimum of 3 units from the following courses: 3

ACCT 101	Practical Accounting
ACCT 148	Computer Accounting
ACCT 158	Business Mathematics
ACCT 201	Financial Accounting
or ACCT 201H	Financial Accounting (Honors)
BUS 204	Business Statistics
or BUS 204H	Business Statistics (Honors)
ECON 100	Survey of Economics
ECON 101	Principles of Economics: MACRO
ECON 102	Principles of Economics: MICRO
MATH 64	Intermediate Algebra
or MATH 64S	Intermediate Algebra with Integrated Support
MATH 103	Statistics
or MATH 103S	Statistics with Integrated Support
MATH 115	Calculus with Applications

List B: Select a minimum of 6 units from the following courses: 6

BUS 117	Human Resources Management
BUS 120	Introduction to Business

or BUS 120H	Introduction to Business (Honors)
BUS 131	Management Principles
BUS 132	Marketing
BUS 133	Project Management
BUS 134	Retail Management
BUS 136	Human Relations in Business
BUS 140	Legal Environment of Business
or BUS 140H	Legal Environment of Business (Honors)
BUS 160	International Business
BUS 290	Business Communication
or BUS 290H	Business Communication (Honors)
HOSP 100	Introduction to Hospitality Management
HOSP 114	Hospitality Law
MTEC 160	Business of Music and Media I
MTEC 260	Business of Music and Media II

List C: Select a minimum of 6 units from the following courses: 6

CSIT 110	Computer Applications
CSIT 120	Fundamentals of Computer Information Systems
CSIT 125	Microsoft Word for Business
CSIT 128	Microsoft Excel for Business
CSIT 131	Microsoft Access for Business
CSIT 134	Microsoft PowerPoint for Business
CSIT 137	Google Apps for Business
CSIT 146	E-Commerce and Web Presence
CSIT 149	Microsoft Windows
CSIT 155	Social Media for Business
MAT 110	Digital Imaging 1: Adobe Photoshop
MAT 120	Media Design 1: Production
MAT 125	Web Design 1: Fundamentals
MAT 135	Graphic Design 1: Principles
MAT 150	Animation and Interactivity
MAT 160	Video 1: Production
MAT 165	Web Design 2: Tools and Techniques
MAT 170	Digital Illustration 1: Adobe Illustrator
MAT 180	Digital Publishing: Adobe InDesign

List D: Select one course from the following courses: 3-4

ENGL 201	Critical Thinking, Composition, and Literature
or ENGL 201H	Critical Thinking, Composition, and Literature (Honors)
ENGL 202	Critical Thinking and Composition
or ENGL 202H	Critical Thinking and Composition (Honors)
PHIL 100	Critical Thinking
READ 100	Critical Reading and Thinking

Liberal Arts with an Area of Emphasis in Creative and Applied Arts

Academic and Career Pathway: Creative and Applied Arts

Associate in Arts Degree

Liberal Arts with an Area of Emphasis in Creative and Applied Arts

These courses emphasize the nature of artistic activities and expression of art through analysis, examination, performance, and technical development. This emphasis provides students the opportunity to develop a multidisciplinary and global perspective within the arts. Students may explore technological art forms and gain an appreciation of their influential relationship with contemporary culture and society. This area of emphasis provides students with lower-division major preparation and a foundation for upper-division study for a wide range of majors within the arts, including applied computer graphics, animation/illustration, art, dance, film, graphic design, information technology and communication design, music, television, film and media studies, and visual and performing arts.

To earn this associate degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete a general education pattern of courses (see Associate Degrees (p. 67)).
- ▶ Obtain a minimum GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to develop communication, critical thinking, and intellectual skills that effectively prepare him/her for lifelong learning and for advanced study in a wide range of majors at the university level.

Select a minimum of 18 units from the following:

ART 100	Drawing and Composition	3
ART 101	Design and Color	3
ART 102	Drawing and Composition II	3
ART 103	3D Design	3
ART 104	Artists & Designers Now	3
ART 157	Art Orientation	3
ART 158	Traditional Arts of Africa, Oceania, and the Americas	3
ART 200	Drawing III	3
ART 201	Objects and Ideas in Contemporary Art	3
ART 202	Painting I: Acrylic	3

Areas of Study & Courses

ART 203	Figure Drawing I	3
ART 204	Painting I: Oils	3
ART 205	Painting I: Watercolor	3
ART 206	Mixed Media Figure Studies I	3
ART 207	Film Photography I	3
ART 208	Film Photography II	3
ART 210	Printmaking I	3
ART 211	Mixed Media Figure Studies II	3
ART 212	Painting II: Acrylic	3
ART 213	Figure Drawing II	3
ART 214	Painting II: Oils	3
ART 215	Painting II: Watercolor	3
ART 216	Sculpture	3
ART 217	Figure Sculpture I	3
ART 218	Printmaking II	3
ART 219	Figure Sculpture II	3
ART 221	Printmaking III	3
ART 222	Printmaking IV	3
ART 223	Woodworking and Furniture Design I	3
ART 224	Woodworking and Furniture Design II	3
ART 225	Ceramics I	3
ART 226	Ceramics II	3
ART 227	Ceramics III	3
ART 228	Ceramics IV	3
ART 229	Woodworking and Furniture Design III	3
ART 230	Installation Art	3
ART 232	Video Art	3
ART 234	Kinetic Art	3
ART 239	Woodworking and Furniture Design IV	3
ART 241	Painting III: Acrylic	3
ART 242	Painting III: Watercolor	3
ART 244	Digital Media for the Visual Artist	3
ART 245	Digital Art and Media	3
ART 251	Digital Photography	3
ART 254	Understanding and Appreciating the Photographic Image	3
ART 258	Ancient to Gothic Art	3
ART 259	History of Renaissance to Modern Art	3
ART 260	History of Modern Art	3
or ART 260H	History of Modern Art (Honors)	
ART 261	Mixed Media Figure Studies III	3
ART 262	Introduction to Silkscreen	3
ART 263	Figure Drawing III	3
ART 264	Painting III: Oils	3
ART 270	History and Theory of Museum and Gallery Exhibition	3
ART 271	Museum and Gallery Exhibition	3
ART 295	Visual Art/Professional Practice	3
COMM 111	Narrative Performance	3
COMM 220	Introduction to Mass Communication	3
DNCE 100	Dance Appreciation	3

or DNCE 100H	Dance Appreciation (Honors)	
DNCE 101	Dance History	3
or DNCE 101H	Dance History (Honors)	
DNCE 104	Dance on Film	3
DNCE 105	Dance Cultures of the World	3
or DNCE 105H	Dance Cultures of the World (Honors)	
DNCE 121	Hip Hop I	1
DNCE 122	Hip Hop II	1
DNCE 130	Middle Eastern Dance I	1
DNCE 131	Middle Eastern Dance II	1
DNCE 132	Afro-Cuban Dance I	1
DNCE 133	Afro-Cuban Dance II	1
DNCE 140	Ballroom Dance Technique I	1
DNCE 143	Ballroom Dance Technique II	1
DNCE 146	Latin Dance Technique I	1
DNCE 152	Ballet I	1.5
DNCE 154	Ballet II	1.5
DNCE 166	Jazz Dance I	1.5
DNCE 168	Jazz Dance II	1.5
DNCE 169	Introduction to World Dance Forms	1
DNCE 176	Modern Dance I	1.5
DNCE 178	Modern Dance II	1.5
DNCE 179	Musical Theatre Dance Production	1-2
DNCE 185	Choreography	3
DNCE 191	Tap Dance I	1.5
DNCE 201	Contemporary Dance Production II	1.5
DNCE 202	Contemporary Dance Production III	1.5
DNCE 203	Contemporary Dance Production IV	1.5
DNCE 204	Classical Dance Production I	1.5
DNCE 205	Classical Dance Production II	1.5
DNCE 206	Classical Dance Production III	1.5
DNCE 207	Classical Dance Production IV	1.5
DNCE 215	Student Choreography Production II	1.5
DNCE 230	Middle Eastern Dance III	1
DNCE 256	Contemporary Dance Intensive IV	1.5
DNCE 263	Contemporary Dance Workshop and Performance A	1.5
DNCE 264	Contemporary Dance Workshop and Performance B	1.5
DNCE 267	Contemporary Dance Workshop and Performance C	1.5
DNCE 268	Jazz Dance IV	1.5
DNCE 269	Contemporary Dance Workshop and Performance D	1.5
DRAM 105	Introduction to Theatre	3
DRAM 107	Introduction to Design for Performance	3
DRAM 110	Voice and Diction	3
DRAM 123	Script Analysis for Performance and Design	3
DRAM 126	Shakespearean Acting Lab	1
DRAM 130	Acting I	3
DRAM 131	Audition Preparation for the Stage	2
DRAM 134	Introduction to Performance	3

DRAM 141	Lighting Design for Theatre, Television, and Film	3
DRAM 146	Costume Design for Theatre, Television, and Film	3
DRAM 148	Acting for the Camera	3
DRAM 201	Rehearsal and Performance: Dramatic Theatre	1-3
DRAM 202	Rehearsal and Performance: Comedic Theatre	1-3
DRAM 203	Rehearsal and Performance: Classical Theatre	1-3
DRAM 204	Rehearsal and Performance: Musical Theatre	1-3
DRAM 210	Rehearsal and Performance: Technical Theatre	1-3
DRAM 226	Advanced Performance Lab	1
DRAM 227	Dramatic Improvisation	1
DRAM 231	Acting II	3
DRAM 232	Movement for the Stage	2
DRAM 253	Makeup for Theatre, Television, and Film	3
DRAM 256	Stagecraft for Theatre, Television, and Film	3
DRAM 273	Acting, Voice, and Movement Workshop	1
ENGL 280	Creative Writing	3
FILM 101	Introduction to Film	3
or FILM 101H	Introduction to Film (Honors)	
FILM 106	Study of Filmed Plays	3
FILM 111	Film History I: 1880-1945	3
or FILM 111H	Film History I: 1880-1945 (Honors)	
FILM 112	Film History II: 1945-Present	3
or FILM 112H	Film History II: 1945-Present (Honors)	
MAT 120	Media Design 1: Production	3
MAT 125	Web Design 1: Fundamentals	3
MAT 135	Graphic Design 1: Principles	3
MAT 150	Animation and Interactivity	3
MTEC 110	Recording Arts I	2
MTEC 111	Recording Arts II	2
MTEC 120	Digital Audio Production I	2
MTEC 140	Sound Reinforcement I	2
MTEC 141	Sound Reinforcement II	2
MTEC 210	Recording Arts III	2
MTEC 211	Recording Arts IV	2
MTEC 220	Digital Audio Production II	2
MUS 100	Introduction to Music Theory	3
MUS 101	Music Theory I	3
MUS 102	Music Theory II	3
MUS 103	Musicianship I	1
MUS 104	Musicianship II	1
MUS 115	History of Classical Music	3
MUS 120	Piano I	1
MUS 121	Piano II	1
MUS 129	Piano for Music Majors II	1

MUS 131	Guitar II	1
MUS 150A	Contemporary Big Band I	1
MUS 150B	Contemporary Big Band II	1
MUS 152A	Small Group Jazz Ensemble I	1.5
MUS 152B	Small Group Jazz Ensemble II	1.5
MUS 155A	Popular Music Ensemble I	1
MUS 155B	Popular Music Ensemble II	1
MUS 161A	Concert Chorale I	1
MUS 161B	Concert Chorale II	1
MUS 164	Musical Theater Ensemble	1
MUS 166A	Vocal Jazz Ensemble I	1.5
MUS 166B	Vocal Jazz Ensemble II	1.5
MUS 201	Advanced Music Theory	3
MUS 203	Advanced Musicianship	1
MUS 250A	Contemporary Big Band III	1
MUS 250B	Contemporary Big Band IV	1
MUS 252A	Small Group Jazz Ensemble III	1.5
MUS 252B	Small Group Jazz Ensemble IV	1.5
MUS 253	Jazz/Commercial Improvisation	2
MUS 255A	Popular Music Ensemble III	1
MUS 255B	Popular Music Ensemble IV	1
MUS 266A	Vocal Jazz Ensemble III	1.5
MUS 266B	Vocal Jazz Ensemble IV	1.5

Liberal Arts with an Area of Emphasis in Mathematics and Sciences

Academic and Career Pathway: Math and Sciences

Associate in Arts Degree

Liberal Arts with an Area of Emphasis in Mathematics and Sciences

The science courses in this category examine the physical universe, its life forms, and its natural phenomena. These courses assist the student in developing an appreciation of the scientific method and encourage an understanding of the relationships between science and other human activities. The mathematics courses encourage the understanding of mathematical concepts through the development of quantitative reasoning skills. This area of emphasis provides students with lower-division preparation for a variety of majors within the scientific disciplines, including astronomy, biology, chemistry, and physics, as well as preparation for mathematics majors. Additionally, students may prepare for nursing, kinesiology, public health, and other health science majors. Many of the courses will assist students in prerequisite preparation for graduate programs within the health sciences. A point system using multi-criteria approved by the California Community Colleges Chancellor's Office is used to accept students into the RN program.

To earn this associate degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete a general education pattern of courses (see Associate Degrees (p. 67)).
- ▶ Obtain a minimum GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to develop communication, critical thinking, and intellectual skills that effectively prepare him/her for lifelong learning and for advanced study in a wide range of majors at the university level.

Select a minimum of 18 units from the following courses. At least one course must be a mathematics course. Courses outside of the mathematics discipline that are approved for the quantitative reasoning requirement on Plans B and C may be used in lieu of a course with the MATH prefix.

ANTH 101	Biological Anthropology	3
or ANTH 101H	Biological Anthropology (Honors)	
ANTH 101L	Biological Anthropology Laboratory	1
or ANTH 101LH	Biological Anthropology Lab (Honors)	
ANTH 105	Evolution of Human Behavior	3
or ANTH 105H	Evolution of Human Behavior (Honors)	
ANTH 190	Primate Behavior and Ecology	3
or ANTH 190H	Primate Behavior and Ecology (Honors)	
ASTR 101	Descriptive Astronomy	3
ASTR 101L	Descriptive Astronomy Laboratory	1
ASTR 120	Life in the Universe	3
ASTR 201	Introductory Astronomy	3
BIO 102	Introductory Biology: Ecology and Environmental Biology	4
BIO 103	Introductory Biology: Animal Diversity	3
BIO 104	Introductory Biology: Botany (Plant Life)	4
BIO 105	Introductory Biology: Biotechnology in Society	3
BIO 106	Introductory Biology: Infectious Diseases—A Global Concern	3
BIO 107	Introductory Biology: Marine Biology	4
BIO 108	Introductory Biology: Ecology of the Oceans	3
BIO 109	Introductory Biology: The Fundamentals of Life on Earth	4
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)	4
or BIO 111 & 111L	Introductory Biology: Preparation for Pre-Health Professions (Lecture) and Introductory Biology: Preparation for Pre-Health Professions (Lab)	

BIO 202	Foundations of Biology: Evolution, Biodiversity, and Organismal Biology	4
BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology	4
or BIO 204H	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology (Honors)	
BIO 210	Human Anatomy	4
or BIO 210H	Human Anatomy (Honors)	
BIO 220	Human Physiology	4
BIO 230	Introduction to Microbiology	5
BTEC 108	Biomanufacturing: From Gene to Product	3
or BTEC 108H	Biomanufacturing: From Gene to Product (Honors)	
BTEC 180	Biostatistics	4
or BTEC 180H	Biostatistics (Honors)	
BUS 147	Personal Finance	3
BUS 204	Business Statistics	3
or BUS 204H	Business Statistics (Honors)	
CHEM 103	Chemistry and Society: For Non-Science Majors	3
CHEM 103L	Chemistry and Society: For Non-Science Majors (Lab)	1
CHEM 112	Introductory General, Organic, and Biological Chemistry: For Allied Health Majors	5
CHEM 115	Introductory General Chemistry: For Allied Health Majors	4
or CHEM 115H	Introductory General Chemistry: For Allied Health Majors (Honors)	
CHEM 116	Introductory Organic and Biological Chemistry: For Allied Health Majors	4
CHEM 140	Preparation for General Chemistry: For Science Majors	4
CHEM 150	General Chemistry I: For Science Majors	5
or CHEM 150H	General Chemistry I: For Science Majors (Honors)	
CHEM 151	General Chemistry II: For Science Majors	5
or CHEM 151H	General Chemistry II: For Science Majors (Honors)	
CHEM 210	Organic Chemistry I: For Science Majors	5
or CHEM 210H	Organic Chemistry I: For Science Majors (Honors)	
CHEM 211	Organic Chemistry II: For Science Majors	5
or CHEM 211H	Organic Chemistry II: For Science Majors (Honors)	
CSIT 123	Introduction to Data Analytics	3
EART 106	Earth and Space Science	3
GEOG 101	Physical Geography	3
GEOG 101L	Physical Geography Laboratory	1

GEOL 101	Physical Geology	3
or GEOL 101H	Physical Geology (Honors)	
GEOL 101L	Physical Geology Laboratory	1
HORT 115	Soil Science	3
HORT 116	Plant Science	4
MATH 102	Math Fundamentals II: Mathematics for Life	4
MATH 103	Statistics	4
MATH 105	Concepts and Structures of Elementary Mathematics I	3
MATH 106	Concepts and Structures of Elementary Mathematics II	3
MATH 112	Mathematical Analysis	3
MATH 115	Calculus with Applications	5
MATH 126	Pre-Calculus I: College Algebra	4
MATH 131	Pre-Calculus II: Trigonometry and Analytic Geometry	4
or MATH 131H	Pre-Calculus II: Trigonometry and Analytic Geometry (Honors)	
MATH 150	Calculus and Analytic Geometry I	5
or MATH 150H	Calculus and Analytic Geometry I (Honors)	
MATH 155	Calculus and Analytic Geometry II	4
or MATH 155H	Calculus and Analytic Geometry II (Honors)	
MATH 226	Discrete Mathematics	4
or MATH 226H	Discrete Mathematics (Honors)	
MATH 260	Calculus and Analytic Geometry III	4
or MATH 260H	Calculus and Analytic Geometry III (Honors)	
MATH 265	Differential Equations	4
or MATH 265H	Differential Equations (Honors)	
MATH 270	Linear Algebra	4
or MATH 270H	Linear Algebra (Honors)	
NUTR 100	Nutrition Today	3
or NUTR 100H	Nutrition Today (Honors)	
NUTR 120	Principles of Food Science with Lab	3
OCEA 101	Introduction to Oceanography	3
or OCEA 101H	Introduction to Oceanography (Honors)	
OCEA 101L	Introductory Oceanography Laboratory	1
PHSN 106	Introduction to Physical Science: Physics and Chemistry	3
PHSN 108	Introduction to Climate Change	3
or PHSN 108H	Introduction to Climate Change (Honors)	
PHYS 111	Introductory Physics I	4
PHYS 112	Introductory Physics II	4
PHYS 151	Principles of Physics I	4
or PHYS 151H	Principles of Physics I (Honors)	
PHYS 152	Principles of Physics II	4
or PHYS 152H	Principles of Physics II (Honors)	
PHYS 253	Principles of Physics III	4
or PHYS 253H	Principles of Physics III (Honors)	
PHYS 280	Introduction to Electronics	3
PSYC 104	Statistics for Behavioral Science	4

or PSYC 104H	Statistics for Behavioral Science (Honors)	
PSYC 260	Physiological Psychology	3
SOC 125	Introduction to Statistics in Sociology	4

Liberal Arts with an Area of Emphasis in Multicultural Studies

Academic and Career Pathway: Social and Behavioral Sciences

Associate in Arts Degree

Liberal Arts with an Area of Emphasis in Multicultural Studies

These interdisciplinary courses promote an appreciation of multicultural influences in contemporary society. Courses in this category encourage students to acquire the knowledge, skills, and attitude needed to function effectively in a pluralistic democratic society and to interact, negotiate, and communicate with people from diverse groups in order to create a civic and moral community that works for the common good. This emphasis provides students with lower-division major preparation for disciplines within the area of study devoted to culture and society. These majors include Chicano studies, ethnic studies, foreign language, global studies, international development, peace and conflict studies, and women's studies.

To earn this associate degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete a general education pattern of courses (see Associate Degrees (p. 67)).
- ▶ Obtain a minimum GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to develop communication, critical thinking, and intellectual skills that effectively prepare him/her for lifelong learning and for advanced study in a wide range of majors at the university level.

Select a minimum of 18 units from the following:

ADM 230	Policing in a Diverse and Multicultural Society	3
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology (Honors)	
ANTH 104	Native American Cultures	3
ART 159	Pre-Columbian Art	3
or ART 159H	Pre-Columbian Art (Honors)	
ART 290	Landmarks of Art	3

Areas of Study & Courses

BUS 160	International Business	3
CHLD 210	Child, Family, and Community	3
CHLD 235	Children in a Diverse Society	3
COMM 135	Gender Studies in Communication	3
COMM 215	Intercultural Communication	3
DESN 108	World Architecture	3
DNCE 104	Dance on Film	3
DNCE 105	Dance Cultures of the World	3
or DNCE 105H	Dance Cultures of the World (Honors)	
ECON 100	Survey of Economics	3
ECON 101	Principles of Economics: MACRO	3
ECON 102	Principles of Economics: MICRO	3
EDUC 115	Foundations of Teaching as a Profession	3
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3
or FILM 211H	Identity and Film: Race, Class, Gender and Sexuality (Honors)	
FILM 212	Women and Film: Representation and Impact	3
or FILM 212H	Women and Film: Representation and Impact (Honors)	
FREN 101	Elementary French (First Semester)	4
FREN 102	Elementary French (Second Semester)	4
FREN 201	Intermediate French (Third Semester)	4
FREN 202	Intermediate French (Fourth Semester)	4
GEOG 102	Cultural Geography	3
GEOG 104	World Geography	3
GRMN 101	Elementary German (First Semester)	4
GRMN 102	Elementary German (Second Semester)	4
GRMN 121	Introduction to German Culture	3
GRMN 201	Intermediate German (Third Semester)	4
GERO 101	Introduction to Aging	3
GERO 250	Intergenerational Issues	3
HIST 102	History of the Modern Middle East	3
or HIST 102H	History of the Modern Middle East (Honors)	
HIST 103	Early European History and Culture	3
or HIST 103H	Early European History and Culture (Honors)	
HIST 104	Modern European History and Culture	3
or HIST 104H	Modern European History and Culture (Honors)	
HIST 107	East Asian Societies	3
HIST 115	Women in American History	3
or HIST 115H	Women in American History (Honors)	
HIST 116	History of the Americas to 1830	3
or HIST 116H	History of the Americas to 1830 (Honors)	
HIST 117	History of the Americas Since 1830	3
or HIST 117H	History of the Americas Since 1830 (Honors)	
HIST 141	Mexican American History Through 1877	3
or HIST 141H	Mexican American History Through 1877 (Honors)	
HIST 142	Mexican American History Since 1877	3
or HIST 142H	Mexican American History Since 1877 (Honors)	
HIST 145	African American History to 1877	3
or HIST 145H	African American History to 1877 (Honors)	
HIST 146	African American History Since 1877	3
or HIST 146H	African American History Since 1877 (Honors)	
HUMN 101	Introduction to the Arts	3
or HUMN 101H	Introduction to the Arts (Honors)	
ITAL 101	Elementary Italian (First Semester)	4
ITAL 102	Elementary Italian (Second Semester)	4
ITAL 103	Elementary Italian for Spanish Speakers (First Semester)	4
ITAL 121	Introduction to Italian Culture	3
ITAL 201	Intermediate Italian (Third Semester)	4
ITAL 202	Intermediate Italian (Fourth Semester)	4
JAPN 101	Elementary Japanese (First Semester)	4
JAPN 102	Elementary Japanese (Second Semester)	4
JAPN 121	Introduction to Japanese Culture	3
JAPN 201	Intermediate Japanese (Third Semester)	4
JAPN 202	Intermediate Japanese (Fourth Semester)	4
JAPN 210	Intermediate Conversation I and Reading	3
LING 110	English Language Structure and Function	3
LIT 250	American Literature: First Contact Through the Civil War	3
or LIT 250H	American Literature: First Contact Through the Civil War (Honors)	
LIT 251	American Literature: Mid-1800s to the Present	3
or LIT 251H	American Literature: Mid-1800s to the Present (Honors)	
LIT 270	World Literature to 1600	3
or LIT 270H	World Literature to 1600 (Honors)	
LIT 271	World Literature Since 1600	3
MUS 112	American Popular Music	3
MUS 113	The Music of America	3
MUS 116	A Survey of World Music	3
PLSC 150	Introduction to International Relations	3
PSYC 125	Psychology of Women	3

PSYC/SOC 145	Psychology/Sociology of the Family	3
RELG 101	World Religions	3
or RELG 101H	World Religions (Honors)	
RELG 105	Eastern Religions	3
SOC 105	Introduction to Justice Studies	3
SOC 120	Introduction to Women's Studies	3
SOC 130	Introduction to Gender Studies	3
SOC 140	Introduction to LGBT Studies	3
SOC/ETHN 207	Race and Ethnic Relations	3
SOC/CCS 230	Introduction to Chicana/o Studies	3
SOC/CCS 232	Critical Issues in Chicana and Latina Studies	3
SOC/BLST 240	Introduction to Black Studies	3
SPAN 101	Elementary Spanish (First Semester)	4
SPAN 102	Elementary Spanish (Second Semester)	4
SPAN 201	Intermediate Spanish (Third Semester)	4
SPAN 202	Intermediate Spanish (Fourth Semester)	4
SPAN 205	Hispanic Film, Literature, and Composition	3
SPAN 221	Spanish for Native Speakers	4
SPAN 222	Spanish for Native Speakers II	4

Liberal Arts with an Area of Emphasis in Social and Behavioral Sciences

Academic and Career Pathway: Social and Behavioral Sciences

Associate in Arts Degree

Liberal Arts with an Area of Emphasis in Social and Behavioral Sciences

Courses in this category emphasize the connection between human behavior and social, political, and economic institutions, and they promote an understanding of how societies and social subgroups operate. Students are encouraged to apply critical thinking techniques as they evaluate the way individuals act and have acted in response to their societies. The courses ensure opportunities for students to develop and communicate an understanding of the perspectives and methods of inquiry used in the social and behavioral sciences. This area of emphasis provides students with lower-division major preparation for many disciplines within the social sciences, including criminal justice, economics, political science, psychology, sociology, and history.

To earn this associate degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- ▶ Complete all courses required in the major with a "C" or "P" or better.

- ▶ Complete a general education pattern of courses (see Associate Degrees (p. 67)).
- ▶ Obtain a minimum GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to develop communication, critical thinking, and intellectual skills that effectively prepare him/her for lifelong learning and for advanced study in a wide range of majors at the university level.

Select a minimum of 18 units from the following:

ADM 100	Introduction to the Administration of Justice	3
or ADM 100H	Introduction to the Administration of Justice (Honors)	
ADM 200	Concepts of Criminal Law	3
ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology (Honors)	
ANTH 103	Introduction to Archaeology	3
ANTH 104	Native American Cultures	3
ANTH 105	Evolution of Human Behavior	3
or ANTH 105H	Evolution of Human Behavior (Honors)	
ANTH 107	Gender, Sex, and Sexuality	3
ANTH 190	Primate Behavior and Ecology	3
or ANTH 190H	Primate Behavior and Ecology (Honors)	
CHLD 113	Child and Adolescent Growth and Development	3
CHLD 210	Child, Family, and Community	3
CHLD 235	Children in a Diverse Society	3
COMM 101	Public Speaking	3
COMM 106	Group Communication	3
COMM 120	Principles of Human Communication	3
COMM 135	Gender Studies in Communication	3
COMM 207	Interpersonal Communication	3
COMM 212	Argumentation	3
COMM 220	Introduction to Mass Communication	3
CSIT 165	Living in an Online World	3
ECON 100	Survey of Economics	3
ECON 101	Principles of Economics: MACRO	3
ECON 102	Principles of Economics: MICRO	3
ENGL 100	Composition and Reading	4
or ENGL 100H	Composition and Reading (Honors)	
ENGL 201	Critical Thinking, Composition, and Literature	4
or ENGL 201H	Critical Thinking, Composition, and Literature (Honors)	
ENGL 202	Critical Thinking and Composition	4
or ENGL 202H	Critical Thinking and Composition (Honors)	
GEOG 102	Cultural Geography	3
GEOG 104	World Geography	3

Areas of Study & Courses

GEOG 108	Environmental Sustainability and Society	3
GERO 101	Introduction to Aging	3
GERO 250	Intergenerational Issues	3
HIST 100	World History to 1500	3
or HIST 100H	World History to 1500 (Honors)	
HIST 101	World History Since 1500	3
or HIST 101H	World History Since 1500 (Honors)	
HIST 102	History of the Modern Middle East	3
or HIST 102H	History of the Modern Middle East (Honors)	
HIST 104	Modern European History and Culture	3
or HIST 104H	Modern European History and Culture (Honors)	
HIST 105	History of England	3
or HIST 105H	History of England (Honors)	
HIST 106	History of Technology	3
or HIST 106H	History of Technology (Honors)	
HIST 107	East Asian Societies	3
HIST 110	United States History to 1877	3
or HIST 110H	United States History to 1877 (Honors)	
HIST 111	United States History Since 1877	3
or HIST 111H	United States History Since 1877 (Honors)	
HIST 113	American Military History	3
or HIST 113H	American Military History (Honors)	
HIST 115	Women in American History	3
or HIST 115H	Women in American History (Honors)	
HIST 116	History of the Americas to 1830	3
or HIST 116H	History of the Americas to 1830 (Honors)	
HIST 117	History of the Americas Since 1830	3
or HIST 117H	History of the Americas Since 1830 (Honors)	
HIST 141	Mexican American History Through 1877	3
or HIST 141H	Mexican American History Through 1877 (Honors)	
HIST 142	Mexican American History Since 1877	3
or HIST 142H	Mexican American History Since 1877 (Honors)	
HIST 145	African American History to 1877	3
or HIST 145H	African American History to 1877 (Honors)	
HIST 146	African American History Since 1877	3
or HIST 146H	African American History Since 1877 (Honors)	
HIST 165	California History	3
NUTR 108	Cultural Aspects of Foods and Nutrition	3
PHIL 100	Critical Thinking	3
PLSC 101	Introduction to Political Science	3
or PLSC 101H	Introduction to Political Science (Honors)	
PLSC 102	American Institutions and History	4
PLSC 103	Comparative Government	3
PLSC 150	Introduction to International Relations	3

PSYC 100	Psychology of Personal Growth	3
PSYC 101	General Psychology	3
or PSYC 101H	General Psychology (Honors)	
PSYC/SOC 103	Social Psychology	3
PSYC 104	Statistics for Behavioral Science	4
or PSYC 104H	Statistics for Behavioral Science (Honors)	
PSYC 114	Abnormal Psychology	3
PSYC 115	Human Sexuality	3
PSYC 121	Human Development	3
PSYC 125	Psychology of Women	3
PSYC/SOC 145	Psychology/Sociology of the Family	3
PSYC 170	Psychology of Aging: Adult Development and Aging	3
PSYC 205	Research Methods in Psychology	3
PSYC 211	Learning and Behavior Modification	3
PSYC 260	Physiological Psychology	3
READ 100	Critical Reading and Thinking	3
SOC 101	Introduction to Sociology	3
or SOC 101H	Introduction to Sociology (Honors)	
SOC 102	Contemporary Social Problems	3
SOC 105	Introduction to Justice Studies	3
SOC 120	Introduction to Women's Studies	3
SOC 125	Introduction to Statistics in Sociology	4
SOC 130	Introduction to Gender Studies	3
SOC 140	Introduction to LGBT Studies	3
SOC 205	Introduction to Research Methods in Sociology	3
SOC/ETHN 207	Race and Ethnic Relations	3
SOC/CCS 230	Introduction to Chicana/o Studies	3
SOC/CCS 232	Critical Issues in Chicana and Latina Studies	3
SOC/BLST 240	Introduction to Black Studies	3
SOC 250	Introduction to Pacific Studies	3

Library

Library science courses ensure students have a good foundation in information literacy skills for success at MiraCosta College, at their transfer institution, in the workforce, and in their everyday lives. Among the more essential of these skills is the ability to do the following:

- ▶ Develop and implement a research strategy.
- ▶ Access and use information from a variety of sources and in various formats.
- ▶ Evaluate the credibility of information sources.
- ▶ Communicate an understanding of the information gathered.
- ▶ Use information ethically.

Contact Information

Chair: Glorian Sipman
Dean: Zhenya Lindstrom
www.miracosta.edu/LIBR

Department: Library Science
Office: Building OC1200,
 760.795.6722

Full-Time Faculty

Steven Deineh	Jennifer Paris
Richard Ma	Pamela Perry
Lauren McFall	Glorian Sipman

Courses

LIBR 101: Introduction to Library Research

Units: 1

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in INTR 100.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This hands-on course in college-level research provides students with a basic understanding of library research methods and the skills by which they can find, organize, evaluate, and cite sources effectively and ethically. These skills help students become strong researchers and life-long learners. Students are introduced to the variety of information resources and information retrieval tools available through academic libraries, with an emphasis on online resources.

LIBR 201: Media & Information Literacy

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in LIBR 201H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course examines the exponential growth of online information and the resulting complex digital media landscape faced by students in the 21st century. Students explore the psychological, social, and physiological impact of online media engagement, while developing essential information literacy skills that are relevant to current academic endeavors and to their future as informed citizens and lifelong learners. Through multiple online platforms and advanced online search strategies, students learn to locate, evaluate, and communicate information responsibly and ethically. UC CREDIT LIMITATION: Credit for LIBR 201 or LIBR 201H.

LIBR 201H: Media & Information Literacy (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in LIBR 201.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This honors course gives highly motivated students the opportunity to explore the complex digital media and information landscape, and it teaches students critical research skills necessary for scholarly inquiry. Students explore the psychological, social, and physiological impact of online media engagement, while developing essential information literacy skills that are relevant to current academic endeavors and to their future as informed citizens and lifelong learners. Students employ multiple online platforms and advanced search strategies to navigate, assess, and communicate information from diverse sources and formats. The course emphasizes critically evaluating and analyzing appropriate sources as well as responsible and ethical uses of information. UC CREDIT LIMITATION: Credit for LIBR 201 or LIBR 201H.

LIBR 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

LIBR 296: Topics in Library Science

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Library Science that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Linguistics

Linguistics is the study of the nature and structure of human speech.

Contact Information

Chair: Maria Figueroa (Letters, Transfer)
Dean: Antonio Alarcon
<https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/linguistics/index.html>

Department: Letters, Transfer
Office: Administration Building, San Elijo Campus, 760.634.7879

Full-Time Faculty

Dara Perales

Courses

LING 110: English Language Structure and Function

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process
Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course familiarizes students with the grammatical patterns of English syntax. Using traditional grammatical terminology, students learn to identify the parts of speech of words in written and orally produced sentences, analyze the structure of phrases and clauses, integrate sentences into their logical and rhetorical contexts, and identify and understand sources of sentence-level writing concerns.

Literature

Literature courses guide students to examine the intersectional relationships between history, culture, and literary movements. Through the exploration of various literary genres and fundamentals of literary analysis, students also engage the power of storytelling rooted in social and cultural traditions.

Students who pursue bachelor's degrees in literature seek to enrich their lives and the lives of others with empathy and a nuanced sensitivity to a wide range of cultural perspectives. Potential career paths include Supreme Court Justice, community organizer, nurturing parent, President of the United States, teacher, social worker, lawyer, medical doctor, artist, concerned/effective citizen of the world, and college/university professor.

Academic and Career Pathway: Languages, Communication, and Humanities

Contact Information

Chair: Maria Figueroa (Letters, Transfer)

Dean: Antonio Alarcon
<https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/literature/index.html>

Department: Letters, Transfer

Office: Administration Building, San Elijo Campus, 760.634.7879

Full-Time Faculty

Daniel Ante-Contreras
Anthony Burman
Zulema Diaz
Maria Figueroa
Jade Hidle
José Jara
John Kirwan

Curry Mitchell
Dara Perales
Aaron Roberts
Violeta Sanchez
Jim Sullivan
Chad Tsuyuki

Courses

LIT 100: Introduction to Chicano Chicana Literature

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course introduces the literary, social, historical, and cultural aspects of the novel, short story, poetry, testimonio, drama, and oral traditions created by Chicano Chicana writers. Students engage an intersectional critical lens to deepen their understanding of the Chicana Chicano literary tradition.

LIT 101: Introduction to Asian American Literature

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course introduces students to literary works from a variety of genres to provide an awareness and understanding of Asian American literary contributions within their historical, cultural, and social contexts. Students learn to analyze literary devices used to convey themes. Topics and themes include immigration, war, labor, and the variety of ethnic and gendered identifications within the umbrella of "Asian American."

LIT 120: Introduction to Literature

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course provides a general introduction to literary genres, including but not limited to novel, short story, poetry, and drama, in order to enhance students' skills in analyzing texts and performances with insight and appreciation. Students examine fundamentals of literary analysis (plot, character, symbolism, theme, voice, tone, and figurative language) as well as basic critical principles for making literary judgments while reading texts.

LIT 122: Introduction to African American Literature

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This introduction to African American literature emphasizes how African American writers have expanded the traditional American literary canon. The course examines issues between, race, ethnicity, and writing as an African American from slavery until the present. Students read a variety of genres, literary and extra-literary, including poetry, fiction (both the novel and shorter fiction), belle lettres, sermons, and speeches.

LIT 250: American Literature: First Contact Through the Civil War

Units: 3

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in LIT 250H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This course explores American writers and significant literary movements and themes from the oral and literary narratives of Native peoples to the nation-building literary projects of the Civil War. In this course, students problematize what has been commonly defined as "American literature" by exploring diverse authors and genres. Genres may include oral histories, slave narratives, abolitionist writings, protest literature, and popular print culture. UC CREDIT LIMITATION: Credit for LIT 250 or LIT 250H. C-ID ENGL-130.

LIT 250H: American Literature: First Contact Through the Civil War (Honors)

Units: 3

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Advisory: ENGL 100 or ENGL 100H.

Enrollment Limitation: Not open to students with prior credit in LIT 250.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This honors course explores American writers and significant literary movements and themes from the oral and literary narratives of Native peoples to the nation-building literary projects of the Civil War. In this course, students problematize what has been commonly defined as "American literature" by exploring diverse authors and genres. Genres may include oral histories, slave narratives, abolitionist writings, protest literature, and popular print culture. UC CREDIT LIMITATION: Credit for LIT 250 or LIT 250H. C-ID ENGL-130.

LIT 251: American Literature: Mid-1800s to the Present

Units: 3

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Advisory: ENGL 100 or ENGL 100H.

Enrollment Limitation: Not open to students with prior credit in LIT 251H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course examines various literary genres and oral histories that narrate the complex social transformations of the 19th century to the present within local and globalized contexts. Using an interdisciplinary approach, this survey course seeks to expose students to a wide range of U.S. authors that examine the paradox between ideas of nationhood and a sense of belonging. Students learn to make distinctions between the wide range of literary and intellectual movements that influenced localized forms of storytelling, popular fiction, performance texts, and other cultural productions. UC CREDIT LIMITATION: Credit for LIT 251 or LIT 251H. C-ID ENGL-135.

LIT 251H: American Literature: Mid-1800s to the Present (Honors)

Units: 3

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Advisory: ENGL 100 or ENGL 100H.

Enrollment Limitation: Not open to students with prior credit in LIT 251.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This honors course examines various literary genres and oral histories that narrate the complex social transformations of the U.S. 19th century to the present within local and globalized contexts. Using an interdisciplinary approach, this survey course seeks to expose students to a wide range of U.S. authors who examine the paradox between ideas of nationhood and a sense of belonging. Students learn to make distinctions between the wide range of literary and intellectual movements that influenced localized forms of storytelling and popular fiction. It is intended for highly motivated students who seek to satisfy transfer requirements. UC CREDIT LIMITATION: Credit for LIT 251 or LIT 251H. C-ID ENGL-135.

LIT 260: English Literature Through the 18th Century

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in LIT 260H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This course surveys writers in English literature from the Anglo-Saxon era to the eighteenth century. It covers works of at least two of the three most influential writers in the language (Chaucer, Shakespeare, Milton) as well as their historical and cultural backgrounds. Students read plays; epic, religious, romantic, and satiric poetry; ballads; and non-fiction prose, including essays and biography. Eras include medieval, Renaissance, and Enlightenment. UC CREDIT LIMITATION: Credit for LIT 260 or LIT 260H. C-ID ENGL-160.

LIT 260H: English Literature Through the 18th Century (Honors)

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in LIT 260.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This honors course allows serious students to delve more deeply into British literature from the Anglo-Saxon era to the eighteenth century than is typical of general survey courses. Students explore the most influential writers in the language (Chaucer, Shakespeare, and Milton), as well as representative works from historically significant movements, such as the Protestant Reformation and Interregnum. Students read complete plays; epic, religious, romantic, and satiric poetry; ballads; and non-fiction prose, including essays and biography. Eras include medieval, Renaissance, and Enlightenment. UC CREDIT LIMITATION: Credit for LIT 260 or LIT 260H. C-ID ENGL-160.

LIT 261: English Literature: Romantic to Contemporary

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in LIT 261H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course surveys major writers in English literature from the late 18th to the 21st century. It covers some of the best-known poetry, essays, drama, and prose fiction written in modern English as well as the historical and cultural backgrounds of these works. Eras include romantic, Victorian, modern, post-colonial, and postmodern. UC CREDIT LIMITATION: Credit for LIT 261 or LIT 261H. C-ID ENGL-165.

LIT 261H: English Literature: Romantic to Contemporary (Honors)

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in LIT 261.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This honors course gives scholars the opportunity to immerse themselves in the literature of the United Kingdom from the Romantic period to the present, identifying and pursuing their own research interests to a much greater degree than a general survey course allows. The course covers major writers such as Stoppard, Dickens, Austen, Hardy, and Keats; significant minor writers like Stevie Smith and Hanif Kureishi; and cultural contexts for the Romantic, Victorian, Modern, Post-Colonial, and Postmodern eras. UC CREDIT LIMITATION: Credit for LIT 261 or LIT 261H. C-ID ENGL-165.

LIT 265: Shakespeare Studies

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in LIT 265H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course introduces students to selected works by William Shakespeare with the goal of enhancing their understanding and appreciation of his writing. The course emphasizes not only the intrinsic value of the works themselves but also the historical, intellectual, political, social, and psychological forces that influenced Shakespeare and which are manifested in his extraordinary art. UC CREDIT LIMITATION: Credit for LIT 265 or LIT 265H.

LIT 265H: Shakespeare Studies (Honors)

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in LIT 265.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course introduces highly motivated students to selected works by William Shakespeare with the goal of enhancing their understanding and appreciation of his writing. The course emphasizes not only the intrinsic value of the works themselves but also the historical, intellectual, political, social, and psychological forces that influenced Shakespeare and which are manifested in his extraordinary art. UC CREDIT LIMITATION: Credit for LIT 265 or LIT 265H.

LIT 270: World Literature to 1600

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in LIT 270H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This course surveys world literature—including the Middle East, Asia, Africa, Europe, and the Americas—from the ancient period up to the 1600s. Students study the selected literature for its expression of the human experience and for its generation of cultural and artistic values. UC Credit Limitation: Credit for LIT 270 or LIT 270H. C-ID ENGL-140.

LIT 270H: World Literature to 1600 (Honors)

Units: 3

Prerequisites: None

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in LIT 270.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This honors course gives highly motivated students the opportunity to immerse themselves in world literature from antiquity to 1600, identifying and pursuing their own research interest to a much greater degree than a general survey course allows. UC CREDIT LIMITATION: Credit for LIT 270 or LIT 270H. C-ID-ENGL-140.

LIT 271: World Literature Since 1600

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course surveys world literature—the Middle East, Asia, Africa, Europe, Australia, and the Americas—from the 1600s up to the present. Students study the selected literature for its expression of the human experience and for its generation of cultural and artistic values. C-ID ENGL-145.

LIT 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

LIT 296: Topics in Literature

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Literature that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Mathematics

By learning mathematics, students develop their reasoning abilities and problem-solving skills. Understanding numbers and shapes, formulas and processes, and chances and algorithms sets the foundation for students to succeed in other sciences and to better understand the world around them. The department's implementation of equitable practices helps ensure students' needs as learners are met. Math faculty are devoted to the teaching of mathematics and want to spread their excitement about this mighty discipline to students and the community.

Mathematics, the abstract, deductive study of pattern and structure, is the foundation of all science and technology programs, such as biological, physical, computer, behavioral, and social sciences as well as engineering. Areas of mathematics include arithmetic, algebra, geometry, calculus, and various other theoretical and applied subjects. Students take mathematics courses to prepare for a mathematics major, to meet prerequisites in related disciplines, or to fulfill general education requirements. A bachelor's degree in mathematics can lead to a career in a computer-related field or as an actuary, accountant, mathematician, statistician, or teacher.

Academic and Career Pathway: Math and Sciences

Contact Information

Chair: Leila Safaralian

Dean: Michael Fino

<https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/mathematics/index.html>

Department: Mathematics

Office: Building OC3600,
760.757.2121 x6924

Full-Time Faculty

Janeen Apalatea

Angela Beltran

David Bonds

Keith Dunbar

Scott Fallstrom

Shawn Firouzian

Mary Beth Headlee

Mark Laurel

Apolinar Mariscal

Serena Mercado

Shannon Myers

Lemee Nakamura

Zikica Perovic

Beth Powell

Leila Safaralian

Associate Degrees

Associate of Science Degree

Mathematics for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a mathematics degree, an emphasis or option within a mathematics degree, or a degree considered similar to mathematics at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a mathematics major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement:

- ▶ Upon successful completion of this program, students will be able to analyze problems, evaluate expressions, and interpret and apply the results.

Required courses:

MATH 150	Calculus and Analytic Geometry I	5
or MATH 150H	Calculus and Analytic Geometry I (Honors)	
MATH 155	Calculus and Analytic Geometry II	4
or MATH 155H	Calculus and Analytic Geometry II (Honors)	
MATH 260	Calculus and Analytic Geometry III	4
or MATH 260H	Calculus and Analytic Geometry III (Honors)	
List A		8
MATH 265	Differential Equations	
or MATH 265H	Differential Equations (Honors)	
MATH 270	Linear Algebra	
or MATH 270H	Linear Algebra (Honors)	
Total Units		21

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their

transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Courses

MATH 28: Math Fundamentals I

Units: 4

Prerequisites: None

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course covers the fundamentals of real numbers, pattern recognition and generalization, graphs and functions, basics of exponents, and solving of proportions and equations. It develops the relationship between realistic applications and quantitative reasoning. (Materials Fee: \$20.00)

MATH 30: Elementary Algebra

Units: 4

Prerequisites: MATH 28 or eligibility determined by the math placement process.

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

Designed to prepare students for intermediate algebra, this course teaches simplifying algebraic expressions involving polynomials and rational terms; factoring; solving linear equations; solving quadratic and rational equations using factoring; analyzing graphs of linear equations; and solving applied problems.

MATH 64: Intermediate Algebra

Units: 4

Prerequisites: MATH 30 or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in MATH 64S.

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This algebra course covers radicals, exponents, concepts of relations and functions, exponential and logarithmic functions, linear and quadratic functions, and the solutions of equations from these topics.

MATH 64S: Intermediate Algebra with Integrated Support

Units: 6

Prerequisites: MATH 30 or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in MATH 32 or MATH 64.

Lecture 5 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This algebra course covers radicals, exponents, concepts of relations and functions, exponential and logarithmic functions, linear and quadratic functions, and the solutions of equations from these topics. It includes just-in-time support for these topics and is intended for students who are eligible for enrollment in MATH 30, Elementary Algebra. Review topics include solving and graphing linear equations and inequalities in one and two variables, solving and graphing systems of equations in two variables, factoring, algebraic operations on polynomial and rational expressions, solving quadratics using factoring, and rational equations and inequalities.

MATH 102: Math Fundamentals II: Mathematics for Life

Units: 4

Prerequisites: MATH 28, MATH 30, or eligibility determined by the math placement process.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers the fundamentals of logic, including fallacies, inductive and deductive reasoning, conditional statements, and the evaluation of arguments; the basic ideas of finance, including simple and compound interest, amortized loans, and retirement accounts; ideas of probability and applications of probability to realistic situations; and problem solving and data analysis techniques. The course provides students with a strong foundation in quantitative reasoning and mathematical concepts applicable to everyday life situations and long-term decision-making strategies. (Materials Fee: \$20.00)

MATH 103: Statistics

Units: 4

Prerequisites: MATH 28 or MATH 30 or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in MATH 103S.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces the use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square, and t-tests; and application of technology for statistical analysis, including the interpretation of the relevance of statistical findings. Students use appropriate statistical techniques to analyze and interpret applications based on data from a broad range of disciplines. UC CREDIT LIMITATION: Credit for BTEC 180/ BTEC 180H, BUS 204/BUS 204H, MATH 103/MATH 103S, PSYC 104/ PSYC 104H, or SOC 125. Some CSU campuses may also impose this credit limitation.

MATH 103S: Statistics with Integrated Support

Units: 5

Prerequisites: MATH 28 or MATH 30 or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in MATH 103.

Acceptable for Credit: CSU

Lecture 4.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces the use of probability techniques, hypothesis testing, and predictive techniques to facilitate decision-making. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-square, and t-tests; and application of technology for statistical analysis, including the interpretation of the relevance of statistical findings. Students use appropriate statistical techniques to analyze and interpret applications based on data from a broad range of disciplines. The course includes just-in-time support for these topics. UC CREDIT LIMITATION: Credit for BTEC 180/ BTEC 180H, BUS 204/BUS 204H, MATH 103/MATH 103S, PSYC 104/ PSYC 104H, or SOC 125. Some CSU campuses may also impose this credit limitation.

MATH 105: Concepts and Structures of Elementary Mathematics I

Units: 3

Prerequisites: MATH 64, MATH 64S, or eligibility determined by the math placement process.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course covers set theory, problem solving, systems of numeration, elementary number theory, numerical operations, and arithmetic algorithms. It emphasizes cognitive learning and the development of problem solving strategies and techniques. Students work collaboratively in groups and/or independently using manipulatives and models to explore structures and formulate concepts. UC CREDIT LIMITATION: Credit for MATH 105 or MATH 106.

MATH 106: Concepts and Structures of Elementary Mathematics II

Units: 3

Prerequisites: MATH 105.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This continuation of MATH 105 covers the mathematical concepts needed for teaching elementary school mathematics. Core topics include the real number system, geometry, Pythagorean theorem, measurement in both the English and metric systems, transformations, and symmetry. Students must demonstrate their understanding of the concepts and structures of elementary mathematics using critical thinking. UC CREDIT LIMITATION: Credit for MATH 105 or MATH 106.

MATH 112: Mathematical Analysis

Units: 3

Prerequisites: MATH 64, MATH 64S, or eligibility determined by the math placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is designed around applications of mathematics in economic and business contexts. The course addresses business models that incorporate linear, quadratic, polynomial, rational, exponential, and logarithmic functions. It covers business-related models: break even analysis, market equilibrium, compound interest, annuities, and loans and amortization. The course also addresses mathematical topics optimization, rates of change, and linear programming.

MATH 115: Calculus with Applications

Units: 5

Prerequisites: MATH 64, MATH 64S, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in MATH 115S.

Acceptable for Credit: CSU, UC

Lecture 5 hours.

Course Typically Offered: Fall, Spring, and Summer

This course relates calculus to real-world applications in social science, economics, and business. Topics include an extensive and just-in-time algebra review, graphing, limits, derivatives of polynomials of one variable, maxima and minima, integration, derivatives of logarithmic and exponential functions, development of integration techniques, an introduction to multi-variable calculus, and their application to problems. This course is designed primarily for students majoring in social science, economics, and business who require calculus and is not recommended for mathematics, physical science, engineering, or biological science majors. UC CREDIT LIMITATION: Credit for MATH 115, MATH 115S, MATH 150, or MATH 150H. C-ID MATH-140.

MATH 126: Pre-Calculus I: College Algebra

Units: 4

Prerequisites: MATH 64, MATH 64S, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in MATH 126S.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers advanced algebra topics including functions and their properties. Topics include linear, quadratic, polynomial, rational, exponential, and logarithmic functions and their applications, graphs of functions, inverse functions, and systems of equations and inequalities. UC CREDIT LIMITATION: MATH 126 and MATH 131 combined, maximum credit, 5 units.

MATH 126S: Precalculus 1: College Algebra with Integrated Support

Units: 5

Prerequisites: MATH 64, MATH 64S, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in MATH 126.

Acceptable for Credit: CSU

Lecture 5 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers advanced algebra topics including functions and their properties. Topics include one unit of intermediate algebra review, linear, quadratic, polynomial, rational, exponential, and logarithmic functions and their applications, graphs of functions, inverse functions, and systems of equations and inequalities.

MATH 131: Pre-Calculus II: Trigonometry and Analytic Geometry

Units: 4

Prerequisites: MATH 126 or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in MATH 131H.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers basic concepts of analytic geometry and trigonometry, including definitions and properties of trigonometric functions. Topics include solutions of applied problems involving right triangles; graphs of trigonometric functions; trigonometric identities; trigonometric equation solving; evaluation of inverse trigonometric functions, polar coordinates, and vectors. The course also covers conics, systems of non-linear equations, and sequences and series. UC CREDIT LIMITATION: MATH 126 and MATH 131/MATH 131H combined, maximum credit 5 units.

MATH 131H: Pre-Calculus II: Trigonometry and Analytic Geometry (Honors)

Units: 4

Prerequisites: MATH 126 or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in MATH 131.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring

This course covers basic concepts of analytic geometry and trigonometry, including definitions and properties of trigonometric functions. Topics include solutions of applied problems involving right triangles; graphs of trigonometric functions; trigonometric identities; trigonometric equation solving; evaluation of inverse trigonometric functions, polar coordinates, and vectors. The course also covers conics, systems of non-linear equations, and sequences and series. The course provides mathematically talented students the opportunity to obtain a level of rigor above the level currently available in existing courses. It emphasizes logical reasoning, problem solving, and applications. UC CREDIT LIMITATION: MATH 126 and MATH 131/MATH 131H combined, maximum credit 5 units.

MATH 150: Calculus and Analytic Geometry I

Units: 5

Prerequisites: MATH 131, MATH 131H, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in MATH 150H.

Acceptable for Credit: CSU, UC

Lecture 5 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is the first in a three-semester calculus sequence designed for mathematics, science, and engineering majors. Topics include limits and continuity; differentiation of algebraic functions and their inverses, trigonometric functions and their inverses, and exponential functions and their inverses; integration and the fundamental theorem of calculus; and applications of differentiation and integration. UC CREDIT LIMITATION: Credit for MATH 115, MATH 115S, MATH 150, or MATH 150H. C-ID MATH-211.

MATH 150H: Calculus and Analytic Geometry I (Honors)

Units: 5

Prerequisites: MATH 131, MATH 131H, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in MATH 150.

Acceptable for Credit: CSU, UC

Lecture 5 hours.

Course Typically Offered: Fall or Spring

This first in a three-semester calculus sequence is designed for highly motivated mathematics, science, and engineering majors. Topics include limits and continuity; differentiation of algebraic functions and their inverses, trigonometric functions and their inverses, and exponential functions and their inverses; integration and the fundamental theorem of calculus; and applications of differentiation and integration. The course provides mathematically talented students the opportunity to obtain a level of rigor above the level currently available in existing courses. It emphasizes logical reasoning, problem solving, and applications. UC CREDIT LIMITATION: Credit for MATH 115, MATH 115S, MATH 150, or MATH 150H. C-ID MATH-211.

MATH 155: Calculus and Analytic Geometry II

Units: 4

Prerequisites: MATH 150 or MATH 150H.

Enrollment Limitation: Not open to students with prior credit in MATH 155H.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This second course in a three-semester calculus sequence covers advanced integration techniques, improper integrals, infinite sequences and series, conic sections, parametric equations, polar coordinates, and applications of integration. The course is designed for mathematics, science, and engineering majors. UC CREDIT LIMITATION: Credit for MATH 155 or MATH 155H.

MATH 155H: Calculus and Analytic Geometry II (Honors)

Units: 4

Prerequisites: MATH 150 or MATH 150H.

Enrollment Limitation: Not open to students with prior credit in MATH 155.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This second course in a three-semester calculus sequence covers advanced integration techniques, improper integrals, infinite sequences and series, conic sections, parametric equations, polar coordinates, and applications of integration. The course is designed for mathematics, science, and engineering majors. The course provides mathematically talented students the opportunity to obtain a level of rigor above the level currently available in existing courses. It emphasizes logical reasoning, problem solving, and applications. UC CREDIT LIMITATION: Credit for MATH 155 or MATH 155H.

MATH 226: Discrete Mathematics

Units: 4

Prerequisites: MATH 150, MATH 150H, CS 150, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in MATH 226H.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring

Designed for students majoring in mathematics or computer science, this course introduces discrete mathematics, including logic, methods of proof, number theory, sets, counting, discrete probability, relations, recursion, recurrence relations, Boolean algebra, graphs, trees, and networks. Topics are illustrated with applications to computer science, including design and analysis of algorithms, undecidability, program correctness, and digital logic design. UC Credit Limitation: Credit for MATH 226 or MATH 226H.

MATH 226H: Discrete Mathematics (Honors)

Units: 4

Prerequisites: MATH 150, MATH 150H, CS 150, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in MATH 226H.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring

Designed for students majoring in mathematics or computer science, this course introduces discrete mathematics, including logic, methods of proof, number theory, sets, counting, discrete probability, relations, recursion, recurrence relations, Boolean algebras, graphs, trees, and networks. As an honors course, it offers an enriched experience for highly motivated students to analyze applications of formal logic to mathematics, other sciences, and everyday life. Topics are illustrated with applications to computer science, including design and analysis of complexity of algorithms, undecidability, program correctness, and digital logic design. UC Credit Limitation: Credit for MATH 226 or MATH 226H.

MATH 260: Calculus and Analytic Geometry III

Units: 4

Prerequisites: MATH 155 or MATH 155H.

Enrollment Limitation: Not open to students with prior credit in MATH 260H.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This third course in a three-semester calculus sequence covers vectors in two- and three-dimensional space, quadratic surfaces, vector-valued functions of several variables, partial differentiation and multiple integration, vector fields, line integrals, and conservative fields. The course is designed for mathematics, science, and engineering majors. UC CREDIT LIMITATION: Credit for MATH 260 or MATH 260H. C-ID MATH-230.

MATH 260H: Calculus and Analytic Geometry III (Honors)

Units: 4

Prerequisites: MATH 155 or MATH 155H.

Enrollment Limitation: Not open to students with prior credit in MATH 260.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This third course in a three-semester calculus sequence offers an enriched experience for highly motivated students. It covers vectors in the plane and three-dimensional space, quadratic surfaces, vector-valued functions, functions of several variables, partial differentiation and multiple integration, vector fields, and line integrals. The course is designed for mathematics, science, and engineering majors and for students interested in a thorough analysis of concepts, proofs of main results, and connections with other disciplines, particularly probability, physics, and economics. UC CREDIT LIMITATION: Credit for MATH 260 or MATH 260H. C-ID MATH-230.

MATH 265: Differential Equations

Units: 4

Prerequisites: MATH 155 or MATH 155H.

Enrollment Limitation: Not open to students with prior credit in MATH 265H.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring

This course introduces the theory and applications of ordinary differential equations of first and higher (mostly second) order as well as systems of linear differential equations. It includes both quantitative and qualitative methods. The course deals with theoretical aspects of existence and uniqueness of solutions as well as techniques for finding solutions using analytical, numerical, method of power-series, and Laplace transformations. UC CREDIT LIMITATION: Credit for MATH 265 or MATH 265H. C-ID MATH-240.

MATH 265H: Differential Equations (Honors)

Units: 4

Prerequisites: MATH 155 or MATH 155H.

Enrollment Limitation: Not open to students with prior credit in MATH 265.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces the theory and applications of ordinary differential equations of first and higher (mostly second) order as well as systems of linear differential equations. It includes both quantitative and qualitative methods. The course deals with theoretical aspects of existence and uniqueness of solutions as well as techniques for finding solutions using analytical, numerical, method of power-series, and Laplace transformations. The course provides mathematically talented students the opportunity to obtain a level of rigor above the level currently available in existing courses. It emphasizes logical reasoning, problem solving, and applications. UC CREDIT LIMITATION: Credit for MATH 265 or MATH 265H.

MATH 270: Linear Algebra

Units: 4

Prerequisites: MATH 155 or MATH 155H.

Enrollment Limitation: Not open to students with prior credit in MATH 270H.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the concepts of linear algebra. Topics include matrix algebra, Gaussian elimination, determinants of a matrix, properties of determinants, vector spaces and their properties with an introduction to proofs, linear transformations, orthogonality, eigenvalues and eigenvectors, and computational methods. UC CREDIT LIMITATION: Credit for MATH 270 or MATH 270H. C-ID MATH-250.

MATH 270H: Linear Algebra (Honors)

Units: 4

Prerequisites: MATH 155 or MATH 155H.

Enrollment Limitation: Not open to students with prior credit in MATH 270.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the concepts of linear algebra. Topics include matrix algebra, Gaussian elimination, determinants of a matrix, properties of determinants, vector spaces and their properties with an introduction to proofs, linear transformations, orthogonality, eigenvalues and eigenvectors, and computational methods. The course provides mathematically talented students the opportunity to obtain a level of rigor above the level currently available in existing courses. It emphasizes logical reasoning, problem solving, and applications. UC CREDIT LIMITATION: Credit for MATH 270 or MATH 270H.

MATH 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

MATH 296: Topics in Mathematics

Units: 1-4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Lecture 4 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Mathematics that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Media Arts & Technologies

The Media Arts & Technologies program provides a focused sequence of courses for students who wish to transfer to a four-year institution or gain employment in the fields of graphic design, web and interactive design, video production, animation, digital media, and print production and delivery. Career options include graphic design, user interface (UI) design, user experience (UX) design, web design, web development, multimedia programming, video editing, video production, media content development, information architecture, graphics production, and layout design. Specific career positions include graphic designer, web designer, video editor, web developer, user interface (UI) designer, user experience (UX) designer, interactive designer, art production assistant, video production assistant, special effects artist, background artist, product modeler, product animator, and storyboard artist.

Academic and Career Pathway: Creative and Applied Arts

Contact Information

Chair: Karl Cleveland

Dean: Al Taccone

<https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/media-arts-and-technologies/index.html>

Department: Media Arts and Technologies

Office: Building OC4600,
760.795.6811

Full-Time Faculty

Min Choi

Karl Cleveland

Leigh Cotnoir

Associate Degrees

Associate in Arts Degrees

Graphic Design

Web Development and Design

Students may earn one of the above-named associate degrees by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 67)). Students should

meet with a MiraCosta College counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Certificates

Certificate of Achievement

Graphic Design

This certificate provides students with the design and technical skills needed to gain employment in the graphic design field with organizations and small businesses that design and distribute publications in both print and digital media. Students who complete this certificate will also be prepared to work as freelancers or pursue a graphic design degree at a four-year university. Students learn principles and professional practices in graphic design and publishing using current computer software applications as well as concept development through project planning and management. Employment opportunities include graphic designer, graphic artist, imaging specialist, photographic assistant, layout artist, and graphic production assistant.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to plan, design, and produce professional-level graphic designs that apply design, layout, and typographic principles and demonstrate effective communication solutions.

Foundation courses (15 units):

MAT 110	Digital Imaging 1: Adobe Photoshop	3
MAT 120	Media Design 1: Production	3
MAT 125	Web Design 1: Fundamentals	3
MAT 135	Graphic Design 1: Principles	3
MAT 155	Graphic Design 2: Typography	3
Emphasis courses (select 12 units):		12

At least 6 units must be at the 100-level and at least 3 units must be at the 200-level selected from the courses below.

MAT 145	UI/UX Design
MAT 170	Digital Illustration 1: Adobe Illustrator
MAT 180	Digital Publishing: Adobe InDesign
MAT 185	Graphic Design 3: Design and Layout
MAT 210	Digital Imaging 2: Advanced Photoshop
MAT 230	Advanced Publishing: Output for Print
MAT 270	Advanced Design Studio

Elective courses:

Students may substitute 3 units from these elective courses below in lieu of 3 units from the emphasis courses listed above.

MAT 105	History of Graphic Design
MAT 150	Animation and Interactivity
MAT 292	Internship Studies

Required to graduate (3 units): 3

MAT 290	Portfolio Development	
Total Units		30
Note: MAT 292 or MAT 296 may be substituted for courses within this certificate with approval of the MAT Department Chair.		
Certificate of Achievement		
Video and Media Design		
This certificate provides the skills students need to gain employment in the corporate, broadcast, technical, educational, and entertainment industries. Students learn how to create video programs and digital media content for broadcast, cable, DVD, Internet, and mobile delivery as well as for dedicated computer presentations. Students gain skills in all phases of video production, 3D and traditional animation techniques, special effects, DVD authoring, and project management. Employment opportunities include video editor, video production assistant, camera operator, product animator, DVD author, mobile content developer, special effects artist, and special effects animator.		
Program Student Learning Outcome Statement		
► Upon completion of this program, the student will be able to plan, design, and produce professional-level videos, interfaces, applications, or experiences that integrate media, utilize appropriate tools and techniques, and demonstrate effective communication solutions.		
Foundation courses (15 units):		
MAT 110	Digital Imaging 1: Adobe Photoshop	3
MAT 120	Media Design 1: Production	3
MAT 125	Web Design 1: Fundamentals	3
MAT 135	Graphic Design 1: Principles	3
MAT 160	Video 1: Production	3
Emphasis courses (select 12 units):		12
MAT 140	3D Animation 1: Maya	
MAT 150	Animation and Interactivity	
MAT 200	Video 2: Post-Production and Special Effects	
MAT 270	Advanced Design Studio	
Elective courses:		
Students may substitute 3 units from these elective courses below in lieu of 3 units from the emphasis courses listed above.		
MAT 190	Programming for Animation, Interactivity, and Games	
MAT 292	Internship Studies	
FILM 101	Introduction to Film	
or FILM 101H	Introduction to Film (Honors)	
FILM 112	Film History II: 1945-Present	
or FILM 112H	Film History II: 1945-Present (Honors)	
MTEC 110	Recording Arts I	
Required to graduate (3 units):		3
MAT 290	Portfolio Development	
Total Units		30

Note: MAT 292 or MAT 296 may be substituted for courses within this certificate with approval of the MAT Program Director.

Certificate of Achievement

Web Development and Design

This certificate trains students in the skills necessary to gain employment in the dynamic field of web and interactive media content design, development, and delivery. Students gain skills in all phases of website design, including site planning and information architecture, user experience design (UX), user interface (UI) and graphic design, web programming and production, animation and motion graphics, audio and video integration, and designing for interactivity. Employment opportunities include web designer, web developer, web producer, front end developer, interaction designer, interactive developer, UI designer, UX designer, UX engineer, production assistant, information architect, mobile content designer, creative director, and project manager.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to plan and develop professional-level graphical user interfaces, web pages, and websites that utilize appropriate tools and techniques and demonstrate effective communication solutions.

Foundation courses (15 units):

MAT 110	Digital Imaging 1: Adobe Photoshop	3
MAT 120	Media Design 1: Production	3
MAT 125	Web Design 1: Fundamentals	3
MAT 135	Graphic Design 1: Principles	3
MAT 165	Web Design 2: Tools and Techniques	3

Emphasis courses (select 12 units): 12

At least 3 units must be advanced 200-level courses.

MAT 145	UI/UX Design	
MAT 150	Animation and Interactivity	
MAT 175	Web Design: JavaScript and jQuery	
MAT 190	Programming for Animation, Interactivity, and Games	
MAT 225	Web Design: PHP and WordPress	
MAT 235	Web Design 3: UX and UI Design and Production	
MAT 270	Advanced Design Studio	

Elective courses:

Students may substitute 3 units from these elective courses below in lieu of 3 units from the emphasis courses listed above.

BUS 133	Project Management	
CS 130	Fundamentals of Scripting Languages	
CSIT 146	E-Commerce and Web Presence	
CSIT 155	Social Media for Business	
MAT 292	Internship Studies	

Required to graduate (3 units): 3

MAT 290	Portfolio Development	

Total Units **30**

Note: MAT 292 or MAT 296 may be substituted for courses within this certificate with approval of the MAT Program Director.

Certificate of Proficiency Digital Media Foundations

This certificate provides students with a broad-based foundation in media arts. It includes core classes in the areas of digital imaging, graphic design, web design, and video and media production. It is designed for students seeking stronger digital literacy and media design skills for their current or future jobs. It also allows students to gain broad exposure to the varying disciplines within media arts while taking a sequence of courses that counts toward the certificate of achievement and associate degree programs offered by the department.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to demonstrate proficiency with digital media production tools and design techniques.

Required courses:		
MAT 110	Digital Imaging 1: Adobe Photoshop	3
MAT 120	Media Design 1: Production	3
MAT 125	Web Design 1: Fundamentals	3
MAT 135	Graphic Design 1: Principles	3
Total Units		12

Certificate of Proficiency Digital and Print Publishing

This certificate provides focused skills necessary to gain employment in the field of digital and print publishing. Students gain specific skills in graphic design, image manipulation, page layout, digital illustration, and preparation for final output. Graduates of this program are able to move into employment opportunities as graphic artists, digital imaging assistants, layout artists, and graphic production assistants. In addition, students majoring in English who are transferring to a four-year university gain the skills necessary for self-publishing their written work.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to demonstrate proficiency with digital imaging and print publishing tools and techniques.

Required courses:		
MAT 110	Digital Imaging 1: Adobe Photoshop	3
MAT 170	Digital Illustration 1: Adobe Illustrator	3
MAT 180	Digital Publishing: Adobe InDesign	3
MAT 230	Advanced Publishing: Output for Print	3
or MAT 155	Graphic Design 2: Typography	
Total Units		12

Certificate of Proficiency Graphic Communication

This certificate forms a solid foundation in graphic design proficiency. These skills are essential in all types of visual media where a message must be conveyed to a specific

target market. This certificate is designed to be completed in conjunction with other MAT certificates to enhance a student's ability to create more effective and dynamic communication or for professionals who would like to enhance their job skills.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to demonstrate proficiency with graphic design principles and techniques.

Choose 15 units from the following courses:		15
MAT 105	History of Graphic Design	
MAT 135	Graphic Design 1: Principles	
MAT 155	Graphic Design 2: Typography	
MAT 170	Digital Illustration 1: Adobe Illustrator	
MAT 180	Digital Publishing: Adobe InDesign	
MAT 185	Graphic Design 3: Design and Layout	
Total Units		15

Certificate of Proficiency Video and Animation

This certificate forms a solid foundation in the skills students need to create video, special effects and animation media programs for delivery in traditional formats, over the Web, or via mobile devices. Career opportunities include video editor, video production assistant, special effects artist, background artist, product modeler, product animator, and storyboard artist.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to demonstrate proficiency with video and animation production tools and techniques.

Required courses:		
MAT 140	3D Animation 1: Maya	3
MAT 150	Animation and Interactivity	3
MAT 160	Video 1: Production	3
MAT 200	Video 2: Post-Production and Special Effects	3
Total Units		12

Certificate of Proficiency Web Design

This certificate provides the focused skill set necessary to gain employment in website design. Depending on which courses are selected, students gain specific skills in web markup, web programming and production, graphics production, web animation techniques, UI and UX design, content management, and website planning and architecture. Graduates of this program will be able to move into employment opportunities in web design, web development, interactive design, content development, user interface (UI) design, and user experience (UX) engineering.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to demonstrate proficiency with web design and development tools and techniques.

Required courses:

Five of the following: 15

CSIT 146	E-Commerce and Web Presence
MAT 125	Web Design 1: Fundamentals
MAT 145	UI/UX Design
MAT 150	Animation and Interactivity
MAT 165	Web Design 2: Tools and Techniques
MAT 175	Web Design: JavaScript and jQuery
MAT 190	Programming for Animation, Interactivity, and Games
MAT 225	Web Design: PHP and WordPress
MAT 235	Web Design 3: UX and UI Design and Production

Total Units 15**Courses****MAT 105: History of Graphic Design**

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

The course surveys the origin and evolution of graphic design from the nineteenth century to the present day. It explores the development and influence of graphic communication through genre, design, style, and format from historical, multicultural, and global perspectives. Topics include the influence of art and technology on graphic design, types of graphic representation, significant historical design movements, and the importance of graphic design in contemporary culture and a global economy.

MAT 110: Digital Imaging 1: Adobe Photoshop

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

In this key foundation course students use Adobe Photoshop to create digital imaging designs of professional quality. Through the manipulation of photographic and other raster graphic images, students generate unique artwork that involves photo editing, tonal and color correction, masking, layer adjustments, painting techniques, blending modes, and advanced compositing. Students study layout and design techniques, application of color using CMYK and RGB, and appropriate typography practices. This course involves considerable hands-on instruction and multiple projects.

MAT 120: Media Design 1: Production

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course introduces the fundamental skills needed for the design and production of multimedia projects and interactive media. Topics include capturing and editing video, images, audio, motion graphics, basic 3D animations, and interactive media design. The course also covers digital media presentation formats, services, and platforms and the basics of network protocol.

MAT 125: Web Design 1: Fundamentals

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces the fundamentals of building webpages, including HTML coding, Cascading Style Sheets (CSS), image optimization, web typography, interface design, basic JavaScript, and Secure File Transfer Protocol (SFTP) for uploading websites. Students also learn about browser and platform issues, modern coding best practices, responsive design, and management techniques for personal websites.

MAT 135: Graphic Design 1: Principles

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course introduces the visual communication principles and concepts of successful graphic design. Topics include form, color palettes, text/image relationships, typography, grid structures, and layout design. The course develops and refines each student's personal design sensibility by applying appropriate and creative design presentations within cultural and historical contexts.

MAT 140: 3D Animation 1: Maya

Units: 3

Prerequisites: None

Advisory: MAT 120.

Acceptable for Credit: CSU

Lecture 2.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the concepts and design of 3D modeling, animation, and rendering using Autodesk Maya. Topics include storyboard development and visualization, efficient modeling and texturing techniques, 3D environment design (including lighting and camera angles), object and camera animation, and rendering considerations. The course also covers proper formats for delivery through various mediums.

MAT 145: UI/UX Design

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall

This course provides an introduction to user interface (UI) and user experience (UX) design and prototyping. Students learn user-centered design approaches to research, design, prototype, and test user interfaces for screen-based media, such as websites and apps. Topics include UX research and strategy, user personas and user scenarios, information architecture, interaction design, prototyping, usability testing, and industry tools and techniques. Students collaborate to design and prototype digital products.

MAT 150: Animation and Interactivity

Units: 3

Prerequisites: None

Advisory: MAT 120

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to 2D animation and interactive media design techniques and tools. Students learn to integrate animation, text, graphics, audio, and video to create rich, interactive user experiences. The course emphasizes design principles for time-based media and effective user interface and interaction design. Students produce animation projects and interactive applications for delivery on the Web and other platforms.

MAT 155: Graphic Design 2: Typography

Units: 3

Prerequisites: None

Advisory: MAT 135.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course covers the essential concepts of typographic design and its incorporation into all forms of visual communication. Topics include historical development and cultural impacts, type design, ligature, word/image fusion, and structural and experimental design. Students develop a solid understanding of how to use type and letterforms to improve the quality of comprehension and communication.

MAT 160: Video 1: Production

Units: 3

Prerequisites: None

Advisory: MAT 120.

Acceptable for Credit: CSU, UC

Lecture 2.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course offers detailed coverage of the video production environment. It covers the process of creating and editing video programs from concept and storyboards through shooting and recording, culminating in acquiring, editing, and mastering a digital video production. Topics also include proper formats for delivery through various mediums.

MAT 165: Web Design 2: Tools and Techniques

Units: 3

Prerequisites: None

Advisory: MAT 125.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This intermediate-level course builds on the skills developed in MAT 125. It introduces students to techniques for designing websites using industry-standard web design and development tools including Dreamweaver and Photoshop. Topics include responsive web design, coding, image editing and optimization, animation, and producing websites using HTML, CSS, and JavaScript.

MAT 170: Digital Illustration 1: Adobe Illustrator

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

Students use Adobe Illustrator to create and manipulate vector graphic images into personal artwork and commercial output. Students generate effective typography and vector shapes, utilize a variety of color palettes and libraries, develop unique brushes and patterns, and convert raster images into vector art. Through hands-on instruction and multiple projects, students transform objects, manipulate perspective, utilize blends and gradients, understand the differences between CMYK and RGB, and import and export different graphic file formats.

MAT 175: Web Design: JavaScript and jQuery

Units: 3

Prerequisites: MAT 125.

Advisory: MAT 165.

Acceptable for Credit: CSU

Lecture 2.50 hours, laboratory 1.50 hours.

Course Typically Offered: Spring

This course introduces web design students to JavaScript and jQuery for interactive web development, including how JavaScript can be used in conjunction with HTML and CSS to add interactivity, animation, visual effects, and advanced functionality to web pages. Students explore interface design and core programming concepts in JavaScript and jQuery to create rich user experiences, manage dynamic content, create animation, and make web pages more interactive and intuitive. Students learn to design and script user interface elements common on websites, such as content sliders, interactive galleries, and more. Students also learn to use the HTML5 canvas element with JavaScript to draw, animate, and create interactive graphics for HTML5 games or web applications. Topics also include integrating and customizing jQuery plugins, working with AJAX, and using API interfaces to web services, such as maps and social media.

MAT 180: Digital Publishing: Adobe InDesign

Units: 3

Prerequisites: None

Advisory: MAT 110 and MAT 170

Acceptable for Credit: CSU

Lecture 2.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course introduces students to Adobe InDesign, the page layout software program used by professional graphic designers to publish ads, business cards, brochures, postcards, newsletters, magazines, books, and more. It involves considerable hands-on instruction and projects similar to those faced by today's designers. Students learn how to prepare documents for professional publication, how to format type, import images, use styles, generate tables, create swatches, and apply shortcuts. Students learn typographic and publishing techniques, basic design principles, and how to apply spot and process color. Students examine, troubleshoot, and package digital files for output to a commercial press and for the Web.

MAT 185: Graphic Design 3: Design and Layout

Units: 3

Prerequisites: None

Advisory: MAT 135.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course covers the process of creating effective, efficient, and dynamic layouts to solve complex design problems. Students explore every stage of the design process, including concept development, intuitive design, and structural hierarchy and grid design. The course emphasizes developing a creative problem-solving approach and refining a personal design sense.

MAT 190: Programming for Animation, Interactivity, and Games

Units: 3

Prerequisites: None

Advisory: MAT 150

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall even years

This course emphasizes creative coding and programming for interactive media, including 2D games, web, and multimedia applications. Students learn to code within the context of the visual arts using JavaScript, Processing, and/or JavaScript frameworks such as p5.js, CreateJS, or PhaserJS. Students explore the creative and technical aspects of designing interactive user experiences that integrate media, animation, and interactivity. Additional topics include user interface design, experience design, interactive storytelling, game design, animation techniques, and developing content for delivery across a variety of platforms and devices.

MAT 200: Video 2: Post-Production and Special Effects

Units: 3

Prerequisites: None

Advisory: MAT 110 or MAT 160.

Acceptable for Credit: CSU

Lecture 2.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall

This course offers detailed coverage of the video post-production environment. Students learn techniques for creating complex video sequences by combining video, animated graphics, Foley effects, advanced editing techniques, green screen, and other special effects using industry-standard software. The course emphasizes instruction in advanced video editing techniques, as well as final project output for delivery through various presentation platforms.

MAT 210: Digital Imaging 2: Advanced Photoshop

Units: 3

Prerequisites: MAT 110.

Enrollment Limitation: Not open to students with prior credit in ART 252.

Acceptable for Credit: CSU

Lecture 2.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course builds upon knowledge and skills gained in MAT 110. Students use Adobe Photoshop to acquire advanced digital imaging techniques for image design and production. Through specific projects, students develop higher-level compositing skills, utilize advanced color management tools, create a responsive design mockup for web and mobile devices, apply animation and sound, and generate 3D objects. Multiple projects reinforce acquired knowledge through preparation of digital files for print and online delivery.

MAT 225: Web Design: PHP and WordPress

Units: 3

Prerequisites: None

Advisory: MAT 165.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This course develops skills for building database driven, dynamically generated websites using PHP, HTML, CSS, JavaScript, and WordPress, with design considerations for accessibility and responsiveness. Students develop dynamic websites and content management system (CMS) web applications using modern design techniques as a basis for creating professional, commercial, or other dynamic, interactive applications. Topics include PHP scripting fundamentals, templating principles, and reusable modular code that integrates with HTML, CSS, JavaScript, and the WordPress CMS. Students also learn how to customize and create WordPress themes, leveraging web design software such as Adobe Dreamweaver and open-source code editors to create professional, data-driven websites.

MAT 230: Advanced Publishing: Output for Print

Units: 3

Prerequisites: None

Advisory: MAT 180

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring odd years

This advanced publishing course takes students through the process of producing and printing a press-ready publication at a professional printing company. Students explore print technologies (e.g., offset printing, variable-data printing, and direct digital printing), learn the steps required for prepress, production, binding, trimming, and finishing, and apply prepress techniques using Adobe InDesign, Adobe Photoshop, and Adobe Illustrator. The course includes a professional print bureau tour.

MAT 235: Web Design 3: UX and UI Design and Production

Units: 3

Prerequisites: None

Advisory: MAT 165.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course emphasizes user experience (UX) and user interface (UI) design and production. Students learn to plan, design, and develop complex, real-world, professional-level websites in a team environment using modern web standards, best practices, and workflows. Topics include site planning and research, content strategy, information architecture development, user personas and user scenarios, usability analysis and testing, programming and production techniques, and emerging industry trends.

MAT 270: Advanced Design Studio

Units: 3

Prerequisites: None

Enrollment Limitation: Audition with portfolio and instructor approval.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall

This capstone course provides advanced students firsthand experience in the function of a professional studio environment where they create real-world projects for real-world clients. Students experience client relations, project development and management, problem solving, team management, asset management, and project delivery considerations.

MAT 290: Portfolio Development

Units: 3

Prerequisites: None

Advisory: It is recommended that students complete most courses within a MAT certificate or degree program before enrolling in MAT 290.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

Students develop a professional portfolio that showcases their design, media, and/or artistic skills and completed projects. Topics also include developing a personal brand and related marketing materials, such as a website, resume, business card, and cover letter. The portfolio's content and format are determined by individual student goals in order to market themselves as a freelancer or prospective employee.

MAT 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

MAT 296: Topics in Media Arts & Technologies

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Media Arts and Technologies that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

MAT 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Medical Administrative Professional

The Medical Administrative Professional program prepares students to work in medical office settings. The program includes training in medical office procedures as well as HIPAA compliance, electronic health record, medical coding, and health insurance practices. Students are encouraged to complete an internship in a medical facility. Career options include employment in physician offices, hospitals, surgical centers, clinics, and various government agencies.

Academic and Career Pathway: Health Sciences**Contact Information****Chair:** Susan Simpson**Dean:** Al Taccone

<https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/medical-administrative-professional/index.html>

Department: Nursing and Allied Health**Office:** Building OCT420, 760.757.2121 x 6466**Full-Time Faculty**

Rich Dicker

Associate Degree**Associate in Arts Degree
Medical Office Professional**

Students may earn the above-named associate degree by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 67)). Students should meet with a MiraCosta counselor to identify required courses

and to develop a written educational plan for the specific degree or certificate they wish to earn.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to complete all the steps in the Documentation Cycle and the Patient Billing Cycle by creating a patient medical record with all documents labeled and identified by step number.

Certificates**Certificate of Achievement****Medical Office Clinical and Administrative Professional**

This certificate program provides students with the necessary skills and knowledge to work as medical assistants in a variety of practice settings, such as in medical offices, acute care settings, and clinical or allied health and ambulatory care facilities. Course content includes medical terminology, office systems and procedures, medical coding, medical insurance and billing, electronic health records, patient advocacy, HIPAA compliance, basic anatomy and physiology, medical back office support, and bloodborne and airborne pathogen standards.

Program Student Learning Outcome Statement

- Upon completion of the program, students will be able to demonstrate proficiency in speaking, reading, and writing when communicating with patients and healthcare team; logically problem-solve in the healthcare setting; and become employable in an entry-level healthcare career upon completion of their certificate of achievement.

Required courses:

Prerequisite courses: Students must have completed the following courses before applying to the Medical Office Clinical and Administrative Professional (Medical Assistant) Program:

NURS 151	Body Systems Survey for Health Professions	
NURS 155	Basic Medical Terminology	
Required courses:		
MAP 50	Introduction to Medical Administrative Careers	3
MAP 56	Introduction to Patient Advocacy	3
MAP 60	Introduction to the Electronic Health Record	3
MAP 62	Medical Coding	3
MAP 64	Medical Insurance and Billing	3
MAP 70	Bloodborne and Airborne Pathogen Standards	1
MAP 80	Medical Assistant—Clinical Back Office I	3
MAP 82	Medical Assistant—Clinical Back Office II	3
MAP 90	Medical Assistant Clinical Preceptorship	4

NURS 153	Pathophysiology for Health Professions	3
Total Units		29

Certificate of Achievement

Medical Office Professional

This certificate prepares students to work in medical office settings. Students receive training in HIPAA compliance procedures, basic computer competencies, medical office procedures, medical terminology, basic anatomy, electronic health record input and maintenance, and billing and coding practices used in hospitals, medical offices, and clinics.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to complete all the steps in the Documentation Cycle and the Patient Billing Cycle by creating a patient medical record with all documents labeled and identified by step number.

Required courses:		
MAP 50	Introduction to Medical Administrative Careers	3
MAP 60	Introduction to the Electronic Health Record	3
MAP 62	Medical Coding	3
MAP 64	Medical Insurance and Billing	3
Select at least 9 elective units from the following:		9
MAP 52	Medical Keyboarding and Document Production	
MAP 56	Introduction to Patient Advocacy	
MAP 70	Bloodborne and Airborne Pathogen Standards	
MAP 80	Medical Assistant–Clinical Back Office I	
MAP 292	Internship Studies	
MAP 299	Occupational Cooperative Work Experience	
NURS 151	Body Systems Survey for Health Professions	
NURS 155	Basic Medical Terminology	
Total Units		21

Certificate of Achievement

Patient Care Coordinator

A Patient Care Coordinator is employed in outpatient facilities such as a doctor's office or specialty clinic. Serving as a patient advocate, they perform a wide variety of functions, including monitoring and coordinating patient treatment plans, ensuring complete and accurate documentation and registration, coordinating continuity of care between services and insurance companies, discussing, consulting, and coordinating the needs of patients and family members, and facilitating the education of patients and family members about health conditions, medications, and instructions. This certificate is designed to offer students the skills and knowledge necessary for entry-level employment in outpatient healthcare settings.

Program Student Learning Outcome Statement

- Upon completion of this program, students will have developed skills necessary to obtain entry-level employment in a variety of outpatient medical office settings.

Required courses:		
HEAL 180	Introduction to Public Health	3
MAP 50	Introduction to Medical Administrative Careers	3
MAP 52	Medical Keyboarding and Document Production	3
MAP 56	Introduction to Patient Advocacy	3
MAP 60	Introduction to the Electronic Health Record	3
MAP 62	Medical Coding	3
MAP 64	Medical Insurance and Billing	3
MAP 70	Bloodborne and Airborne Pathogen Standards	1
NURS 153	Pathophysiology for Health Professions	3
NURS 155	Basic Medical Terminology	3
Complete 3 units from the following:		3
MAP 80	Medical Assistant–Clinical Back Office I	
MAP 292	Internship Studies	
MAP 299	Occupational Cooperative Work Experience	
NURS 151	Body Systems Survey for Health Professions	
Total Units		31

Certificate of Proficiency

Medical Insurance and Coding Specialist

This certificate prepares students to perform specialized work related to insurance and coding in medical settings.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to create and submit CMS 1500 forms after identifying the correct ICD and CPT codes within the parameters of the designated insurance carrier.

Program prerequisite:		
NURS 155	Basic Medical Terminology	3
Required courses:		
MAP 60	Introduction to the Electronic Health Record	3
MAP 62	Medical Coding	3
MAP 64	Medical Insurance and Billing	3
Select at least 3 elective units from the following:		3
MAP 50	Introduction to Medical Administrative Careers	
MAP 52	Medical Keyboarding and Document Production	
MAP 292	Internship Studies	
Total Units		15

Certificate of Proficiency

Medical Office Specialist

This certificate prepares students to work in health information management offices. Students receive training in all of the medical administrative tasks performed to manage health records, patient management plans, and patient education. Students acquire skills and training to obtain employment in all health care facilities/settings.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to identify and perform job tasks (such as receptionist, scheduler, biller, coder, patient educator) of a medical administrative assistant.

Required courses:		
MAP 50	Introduction to Medical Administrative Careers	3
MAP 56	Introduction to Patient Advocacy	3
MAP 60	Introduction to the Electronic Health Record	3
Select one course from the following:		3
MAP 52	Medical Keyboarding and Document Production	
MAP 62	Medical Coding	
MAP 64	Medical Insurance and Billing	
Total Units		12

Courses

MAP 50: Introduction to Medical Administrative Careers

Units: 3

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces the documentation and revenue cycle operations of a medical office, clinic, or hospital office environment. Topics include the duties and responsibilities of the receptionist, scheduler, insurance biller, medical coder, transcriptionist, medical records auditor, HIPAA compliance officer, health information technician, and office manager as well as information on professional development and industry certifications for administrative medical personnel.

MAP 52: Medical Keyboarding and Document Production

Units: 3

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This keyboarding and document production course for medical office professionals combines medical terminology with advanced word processing skills. Exercises include practicing keyboarding drills, creating medical documents, and inserting electronic entries. The course emphasizes medical terminology, procedures, phrases, and commonly used terms.

MAP 56: Introduction to Patient Advocacy

Units: 3

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the general practices and competencies of a patient advocate. It develops skills to help the patient advocate navigate through the complexities of today's rapidly evolving healthcare system from the patient's perspective. Students discuss the cultural, social, hereditary, and environmental influences on human behavior and personality development, including behaviors associated with death, dying and grieving, cultural beliefs, mental health, values, and practices regarding health and illness.

MAP 60: Introduction to the Electronic Health Record

Units: 3

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course provides students with an overview of all the information entered into and extrapolated from an electronic health record (EHR) as well as in-depth and practical training on EHR software. Students examine specific sections of the EHR in relation to health information management.

MAP 62: Medical Coding

Units: 3

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course provides entry-level training in medical coding. Students develop an understanding of Current Procedural Terminology (CPT), International Classification of Diseases-Clinical Modification (ICD-CM) Volumes I and II, and HCFA Common Procedure Coding System (HCPCS) as they are used in medical claims processing and record management. Students review both paper and electronic medical documentation to assign specific codes for diagnoses and billing.

MAP 64: Medical Insurance and Billing

Units: 3

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course provides an overview of health insurance. It introduces procedures for submitting insurance claims for reimbursement to major health insurance carriers and government agencies.

MAP 70: Bloodborne and Airborne Pathogen Standards

Units: 1

Prerequisites: None

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course presents the California Occupational Safety and Health Administration (OSHA) Bloodborne and Airborne Pathogen standards that protect health care workers from contracting infectious diseases, such as hepatitis, HIV-AIDS, and tuberculosis. Topics include compliance requirements, exposure control measures, exposure determination, protective equipment, and post exposure practices.

MAP 80: Medical Assistant—Clinical Back Office I

Units: 3

Prerequisites: None

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Fall

This course expands medical assistant proficiency in medical back office support. Students are introduced to the medical laboratory and equipment. The course emphasizes assisting physicians with exams and minor office surgical procedures. Topics include principles and practices of infection control, patient medical history and documentation, basic pharmacological concepts, and basic drug administration. Students perform CLIA approved procedures on urine, fecal, and microbiologic specimens.

MAP 82: Medical Assistant—Clinical Back Office II

Units: 3

Prerequisites: MAP 70 and MAP 80

Corequisite: MAP 90.

Lecture 1.50 hours, laboratory 4.50 hours.

Course Typically Offered: Spring

This course expands medical assistant proficiency in medical back office support. It presents students with the basic principles of performing and analyzing an electrocardiogram (ECG), pulmonary function testing, capillary puncture, and venipuncture. Topics include a review of the anatomy, physiology and electrophysiology of the heart and circulatory system; basic components of an ECG, normal and abnormal cardiac rhythms, review of the anatomy and physiology of the respiratory system, Clinical Lab Improvement Act (CLIA) approved pulmonary function tests, capillary puncture techniques, and venipuncture. Students are instructed in methods of quality control for specimen collection, transport, and testing while they learn to screen patients for various diagnostic tests and test result reporting.

MAP 90: Medical Assistant Clinical Preceptorship

Units: 4

Prerequisites: MAP 80

Corequisite: MAP 82.

Laboratory 12 hours.

Course Typically Offered: Spring

This course provides medical assisting students with a hands-on, unpaid clinical experience in a health care facility. Students apply the skills they have learned from their courses in a safe, ethical, and legal manner. The course emphasizes enhancing communication skills, professionalism, and interpersonal relationships. Topics include goal setting, employability skills development, and examination of the world of work as it relates to medical assisting. Each student works with their preceptor for 192 hours utilizing a variable time schedule.

MAP 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

MAP 296: Topics in Medical Administrative Professional

Units: 1-3

Prerequisites: None

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Medical Office Professional that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

MAP 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Music

The Music program offers courses in both traditional and commercial music for students who plan on transferring as music majors to four-year institutions, for those who need to satisfy general education requirements, and for those who wish to earn a certificate or associate degree in traditional or commercial music.

The program provides performance opportunities for music majors, non-music majors, and non-traditional students looking to participate in music classes.

Careers in traditional music include professional performance, conducting, arts management, composing, academic research, and public and private teaching.

Academic and Career Pathway: Creative and Applied Arts

Contact Information

Chair: Stephen Torok

Dean: Jonathan Fohrman
<https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/music/index.html>

Department: Music

Office: Building OC2700,
760.795.6844

Full-Time Faculty

Christy Coobatis
 Matthew Falker
 Arlie Langager

Dan Siegel
 Stephen Torok

Associate Degree

Associate in Arts Degree Music

The study of music provides students with the opportunity to develop skills and theory in instrumental, vocal, and composition. Students select many of their own courses based

on their own goals for musical growth. All students, however, need a foundation of theory, musicianship, and keyboarding proficiency as well as private study and ensemble participation.

The Music program offers lower-division preparation for students who plan on transferring to pursue a bachelor's degree in music. Students planning to transfer and/or earn this associate degree may also need to complete additional requirements or electives required by the transfer institution, as many CSUs and UCs have unique admissions and preparation-for-the-major requirements. Students should meet with a MiraCosta College counselor to identify required courses and to develop a written plan for their targeted university.

To earn this associate degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete a general education pattern of courses (see Associate Degrees (p. 67)).
- ▶ Obtain a minimum GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome Statement

Upon completion of this program, the student will be able to demonstrate the ability to hear, identify, and work conceptually with the elements of music through the successful study of music theory and analysis, ear training, and piano keyboard proficiency.

Music Major Core Courses (Required)

MUS 101	Music Theory I	3
MUS 102	Music Theory II	3
MUS 103	Musicianship I	1
MUS 104	Musicianship II	1
MUS 128	Piano for Music Majors I	1
MUS 145A	Performance Lab I	.5
MUS 145B	Performance Lab II	.5
MUS 201	Advanced Music Theory	3
MUS 203	Advanced Musicianship	1
Performance Ensembles (4 units to be selected from the following):		4

MUS 150A	Contemporary Big Band I
MUS 150B	Contemporary Big Band II
MUS 250A	Contemporary Big Band III
MUS 250B	Contemporary Big Band IV
MUS 152A	Small Group Jazz Ensemble I
MUS 152B	Small Group Jazz Ensemble II
MUS 252A	Small Group Jazz Ensemble III
MUS 252B	Small Group Jazz Ensemble IV
MUS 161A	Concert Chorale I
MUS 161B	Concert Chorale II
MUS 261A	Concert Chorale III
MUS 261B	Concert Chorale IV
MUS 165A	Chamber Choir I

Areas of Study & Courses

MUS 165B	Chamber Choir II
MUS 265A	Chamber Choir III
MUS 265B	Chamber Choir IV
MUS 166A	Vocal Jazz Ensemble I
MUS 166B	Vocal Jazz Ensemble II
MUS 266A	Vocal Jazz Ensemble III
MUS 266B	Vocal Jazz Ensemble IV
MUS 170A	Symphony Orchestra I
MUS 170B	Symphony Orchestra II
MUS 270A	Symphony Orchestra III
MUS 270B	Symphony Orchestra IV

Students should select Option 1 or Option 2 based on their interest of study following transfer. 9

Option 1 - Music Performance (6 required units plus 3 elective units)

MUS 144A	Individual Instruction I
MUS 144B	Individual Instruction II
MUS 244A	Individual Instruction III
MUS 244B	Individual Instruction IV
MUS 245A	Performance Lab III
MUS 245B	Performance Lab IV
MUS 228 or MUS 229	Advanced Piano Jazz/Commercial Piano

Three elective units to be selected from the following.

MUS 115	History of Classical Music
MUS 119	Jazz History
MUS 119H	Jazz History (Honors)
MUS 129	Piano for Music Majors II
MUS 131	Guitar II
MUS 141	Vocal Fundamentals
MUS 228	Advanced Piano
MUS 229	Jazz/Commercial Piano
MUS 241	Advanced Vocal Techniques
MUS 253	Jazz/Commercial Improvisation
MUS 292	Internship Studies
EDUC 115	Foundations of Teaching as a Profession

Option 2 - Music Education/Composition/Therapy/Studies (Select 9 units).

MUS 100	Introduction to Music Theory
MUS 113 or MUS 116	The Music of America A Survey of World Music
MUS 115 or MUS 119 or MUS 119H	History of Classical Music Jazz History Jazz History (Honors)
MUS 120	Piano I
MUS 121	Piano II
MUS 129	Piano for Music Majors II
MUS 131	Guitar II
MUS 141	Vocal Fundamentals
MUS 144A	Individual Instruction I
MUS 144B	Individual Instruction II
MUS 155A	Popular Music Ensemble I

MUS 155B	Popular Music Ensemble II
MUS 188	Technology for Music Majors
MUS 228	Advanced Piano
MUS 229	Jazz/Commercial Piano
MUS 241	Advanced Vocal Techniques
MUS 244A	Individual Instruction III
MUS 244B	Individual Instruction IV
MUS 245A	Performance Lab III
MUS 245B	Performance Lab IV
MUS 253	Jazz/Commercial Improvisation
MUS 255A	Popular Music Ensemble III
MUS 255B	Popular Music Ensemble IV
MUS 292	Internship Studies
EDUC 115	Foundations of Teaching as a Profession

Total Units

27

Courses Related in Content (CRC)

Active participatory music courses that are related in content are grouped together. Students are allowed four enrollments within each CRC group, but each course may be taken only once unless its catalog description indicates it is repeatable. Enrollments include any combination of course completions (with an evaluative or nonevaluative symbol recorded on the student's transcript), withdrawals, and repetition.

Ear Training CRC

MUS 103	Musicianship I
MUS 104	Musicianship II
MUS 203	Advanced Musicianship

Guitar CRC

MUS 130	Guitar I
MUS 131	Guitar II

Individual Instruction CRC

MUS 145A	Performance Lab I
MUS 145B	Performance Lab II
MUS 245A	Performance Lab III
MUS 245B	Performance Lab IV

Large Classical Instrumental Ensemble CRC

MUS 170A	Symphony Orchestra I
MUS 170B	Symphony Orchestra II
MUS 270A	Symphony Orchestra III
MUS 270B	Symphony Orchestra IV

Large Classical Vocal Ensemble CRC

MUS 161A	Concert Chorale I
MUS 161B	Concert Chorale II
MUS 261A	Concert Chorale III
MUS 261B	Concert Chorale IV

Large Instrumental Jazz Ensemble CRC

MUS 150A	Contemporary Big Band I
MUS 150B	Contemporary Big Band II
MUS 250A	Contemporary Big Band III
MUS 250B	Contemporary Big Band IV

Piano CRC

MUS 120	Piano I
MUS 121	Piano II
MUS 128	Piano for Music Majors I
MUS 129	Piano for Music Majors II
MUS 228	Advanced Piano
MUS 229	Jazz/Commercial Piano
Popular Music CRC	
MUS 155A	Popular Music Ensemble I
MUS 155B	Popular Music Ensemble II
MUS 255A	Popular Music Ensemble III
MUS 255B	Popular Music Ensemble IV
Small Classical Vocal Ensemble CRC	
MUS 165A	Chamber Choir I
MUS 165B	Chamber Choir II
MUS 265A	Chamber Choir III
MUS 265B	Chamber Choir IV
Small Instrumental Jazz Ensemble CRC	
MUS 152A	Small Group Jazz Ensemble I
MUS 152B	Small Group Jazz Ensemble II
MUS 252A	Small Group Jazz Ensemble III
MUS 252B	Small Group Jazz Ensemble IV
Vocal Jazz Ensemble CRC	
MUS 166A	Vocal Jazz Ensemble I
MUS 166B	Vocal Jazz Ensemble II
MUS 266A	Vocal Jazz Ensemble III
MUS 266B	Vocal Jazz Ensemble IV
Vocal Technique CRC	
MUS 141	Vocal Fundamentals
MUS 241	Advanced Vocal Techniques

Courses

MUS 100: Introduction to Music Theory

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This basic music theory course teaches students to read and write musical notation, and it develops listening skills with regard to rhythm and harmony. Students are required to attend and analyze elements of live musical performances. C-ID MUS-110.

MUS 101: Music Theory I

Units: 3

Prerequisites: MUS 100.

Advisory: MUS 103 or MUS 128 or MUS 145A or Concurrent enrollment in appropriate level piano class.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course begins with a short review of music fundamentals and emphasizes music theory topics, such as triads, seventh chords, and their inversions, and the study of diatonic harmony including topics such as basic counterpoint, non-harmonic tones, secondary dominants, and four-part writing (voice leading) in the Baroque style. Students are required to attend live musical performances. C-ID MUS-120.

MUS 102: Music Theory II

Units: 3

Prerequisites: MUS 101.

Corequisite: MUS 104.

Advisory: Concurrent enrollment in MUS 129.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This continuation of MUS 101 introduces intermediate-level analysis and compositional techniques found in 17th through 19th century Western classical music. The course emphasizes four-part diatonic and chromatic chorale writing and related analysis techniques in both major and minor keys, and integrates intermediate ear training concepts from MUS 104. Topics include diatonic and chromatic chord progressions, secondary chords, augmented sixth chords, Neapolitan sixth chords, chorale analysis techniques, and simple musical forms. The course also emphasizes the recognition and correct compositional use of modulation techniques including pivot chord, secondary dominant, and common tone modulations. C-ID MUS-130.

MUS 103: Musicianship I

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides ear training for both the major and non-major and is strongly recommended for students enrolled in theory classes. The course builds an aural foundation to music theory, including basic pitches, rhythms, major and minor scales, and primary harmonies. Students are required to attend live musical performances. C-ID MUS-125.

MUS 104: Musicianship II

Units: 1

Prerequisites: MUS 103.

Corequisite: MUS 102.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall

This course provides intermediate-level ear training for the music major and integrates with the theory concepts being learned in MUS 102. The course continues to develop an aural foundation to music theory, including basic pitches, rhythms, major and minor scales, and primary harmonies. Students are required to attend live musical performances. C-ID MUS-135.

MUS 112: American Popular Music

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course surveys popular music in America from colonial times to the present. Students analyze the broad variety of music particular to American heritage in context with the social, cultural, and musical developments of the times. Genres examined include folk, religious, blues, Tin Pan Alley, jazz, rhythm and blues, country, soul, rock, disco, hip-hop, rap, and electronica. Students are required to attend a live musical performance.

MUS 113: The Music of America

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course surveys a variety of music genres that evolved from the merging of different cultural traditions into distinctively new American music styles. The styles students examine include the music of the early colonists to spirituals, the blues, and jazz as well as Norteño, salsa, zydeco, Hawaiian, and klezmer.

MUS 114: History of Rock and Roll

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course surveys the history of rock and roll from its origin in American popular music to the present. It relates the stylistic changes that have occurred in rock and roll to the social events that surround them. The course also examines historic and current rock subcultures and the attitudes surrounding them.

MUS 115: History of Classical Music

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the canon of Western classical music through a survey of great composers from the medieval period to the present. Methods include historical analysis of each style period and extensive guided listening. The course also considers sociological influences on art and music.

MUS 116: A Survey of World Music

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to selected musical cultures from around the world, exploring their stylistic features, organology, and cultural significance, along with the historical, social, political, and geographical factors that shaped them. It emphasizes approaching music from an ethnomusicological perspective—questioning how and why human beings are musical and how their musics relate to broader questions of identity, communication, and belief systems. Through exploration of these musics, students refine listening and critical skills related to music.

MUS 119: Jazz History

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in MUS 119H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course assists students in developing an appreciation and respect for jazz and blues as original and uniquely American art forms. The topic, viewed through historical, cultural, and sociological lenses, focuses upon the evolutionary development of the music and artists responsible for its creation. Students gain an understanding of basic and jazz-specific musical concepts, the profound impact of African-American artists, and how jazz influenced all American popular music. UC CREDIT LIMITATION: Credit for MUS 119 or MUS 119H.

MUS 119H: Jazz History (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in MUS 119.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This honors course offers highly motivated students an intense introduction to American jazz and blues history. The topic, viewed through historical, cultural, and sociological lenses, focuses upon the evolutionary development of jazz music and the artists responsible for its creation. Methods include historical and sociological analysis of each style period and extensive guided listening. The course emphasizes understanding the impact of cultural, sociological, racial, and other influences upon the development of jazz and the influence of jazz upon all of American popular music. UC CREDIT LIMITATION: Credit for MUS 119 or MUS 119H.

MUS 120: Piano I

Units: 1

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among MUS 120, MUS 121, MUS 128, MUS 129, MUS 228, MUS 229. NOTE:

No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This beginning piano class develops piano skills through the use of standard songs and appropriate-level piano literature. It also introduces fundamental musical notation. Students are required to attend a professional piano performance.

MUS 121: Piano II

Units: 1

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among MUS 120, MUS 121, MUS 128, MUS 129, MUS 228, MUS 229. NOTE:

No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This piano class continues to develop beginning piano skills through the use of standard songs and appropriate level piano literature. The course continues to develop student knowledge of music fundamentals, including notation, scales, and chords. Students are required to attend a live professional piano performance.

MUS 128: Piano for Music Majors I

Units: 1

Prerequisites: None

Advisory: MUS 100

Enrollment Limitation: Maximum of four enrollments among MUS 120, MUS 121, MUS 128, MUS 129, MUS 228, MUS 229. NOTE:

No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides technical knowledge and skills of piano for all music majors. Students learn to play scales, arpeggios, and chords. The course emphasizes the construction of triads and seventh chords. Students prepare and play beginning-level piano repertoire in classical and jazz/contemporary styles, and they are required to attend a live professional or educational piano performance. C-ID MUS-170.

MUS 129: Piano for Music Majors II

Units: 1

Prerequisites: MUS 128.

Advisory: MUS 100

Enrollment Limitation: Maximum of four enrollments among MUS 120, MUS 121, MUS 128, MUS 129, MUS 228, MUS 229. NOTE:

No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides technical knowledge and skills of piano for all music majors at an intermediate level. Students play more advanced scales, arpeggios, and chords. Students also prepare and play intermediate-level piano repertoire in classical and jazz/contemporary styles, and they are required to attend a live professional piano performance. C-ID MUS-171.

MUS 130: Guitar I

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course provides fundamental guitar performance training and music reading for students with any level of prior experience on the instrument, including those with no experience. Topics include music theory, guitar ergonomics, musicianship skills, and note reading performance in the first position in an ensemble and as a soloist. Students are required to possess a steel string or classical guitar.

MUS 131: Guitar II

Units: 1

Prerequisites: None

Advisory: MUS 130.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall odd years

This course focuses on intermediate-level technical studies based on various aspects of intermediate-level music theory, such as key, rhythm, and form. Melodies, chord progressions, improvisation, and chord voicing are incorporated within song arrangements to develop playing skills appropriate within the context of live performance. Students study, practice, and perform songs and exercises utilizing various positions and voicings on the instrument within popular, classical, and jazz styles in both solo and ensemble settings.

MUS 141: Vocal Fundamentals

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This voice class addresses functional techniques in singing for students seeking to develop specific vocal and musical abilities. Areas covered include breathing, voice placement, diction, phrasing, and interpretation. Students are required to attend a live musical concert.

MUS 144A: Individual Instruction I

Units: 1

Prerequisites: None

Corequisite: MUS 145A, MUS 145B, MUS 245A, or MUS 245B.

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Lecture 1 hour.

Course Typically Offered: Fall, Spring

This course is the first semester of private study for music majors. Instrumentalists and vocalists focus on beginning-level classical or jazz/commercial technique, performance practice, and repertoire in preparation for transfer auditions. Repertoire is performed in concerts and in performance lab classes. C-ID MUS-160.

MUS 144B: Individual Instruction II

Units: 1

Prerequisites: None

Corequisite: MUS 145A, MUS 145B, MUS 245A, or MUS 245B.

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Lecture 1 hour.

Course Typically Offered: Fall, Spring

This course is the second semester of private study for music majors. Instrumentalists and vocalists focus on intermediate-level classical or jazz/commercial technique, performance practice, and repertoire in preparation for transfer auditions. Repertoire is performed in concerts and in performance lab classes. C-ID MUS-160.

MUS 145A: Performance Lab I

Units: .5

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among MUS 144, MUS 145A, MUS 145B, MUS 244, MUS 245A, MUS 245B. NOTE:

No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This first course in a four-semester sequence introduces performance techniques in a group environment. Students observe and evaluate performances by guest and peer musicians and complete other performance-related activities. The course is closely affiliated with the individual instruction courses. It is required of all music performance majors but is open to all students.

MUS 145B: Performance Lab II

Units: .5

Prerequisites: MUS 145A.

Enrollment Limitation: Maximum of four enrollments among MUS 144, MUS 145A, MUS 145B, MUS 244, MUS 245A, MUS 245B. NOTE:

No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This second in a four-course series further explores performance techniques in a group environment. Students observe and evaluate performances by guest and peer musicians and complete other performance-related activities. The course is closely affiliated with the individual instruction courses. It is required of all music performance majors but is open to all students.

MUS 150A: Contemporary Big Band I

Units: 1

Prerequisites: None

Enrollment Limitation: Audition and maximum of four enrollments among MUS 150, MUS 150A, MUS 150B, MUS 250A, and MUS 250B.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This first course in a four-course series concentrates on the preparation and performance of large jazz ensemble/big band jazz. Beginning students study music from a wide variety of historical eras, ranging from the 1920s swing style to contemporary styles. The course introduces aspects of large jazz ensemble performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balances, instrumental blend, sight reading, and correct intonation. Students are required to attend both on- and off-campus and/or virtual performances. C-ID MUS-180.

MUS 150B: Contemporary Big Band II

Units: 1

Prerequisites: MUS 150A

Enrollment Limitation: Maximum of four enrollments among MUS 150, MUS 150A, MUS 150B, MUS 250A, and MUS 250B.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This second course in a four-course series concentrates on the preparation and performance of large jazz ensemble/big band jazz. Intermediate students study music from a wide variety of historical eras, ranging from the 1920s swing style to contemporary styles. The course reinforces aspects of large jazz ensemble performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balances, instrumental blend, sight reading, and correct intonation. Students are required to attend both on- and off-campus and/or virtual performances. C-ID MUS-180.

MUS 152A: Small Group Jazz Ensemble I

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition and maximum of four enrollments among MUS 152, MUS 152A, MUS 152B, MUS 252A, and MUS 252B.

Acceptable for Credit: CSU, UC

Laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This first course of a four-course series concentrates on beginner-level preparation and performance of small group jazz. Students study jazz from a wide variety of historical eras, ranging from the 1940s bebop style to contemporary styles. The course introduces and reinforces fundamental aspects of jazz performance, including rhythmic and stylistic interpretation. Students are required to attend both on- and off-campus and/or virtual performances. C-ID MUS-185.

MUS 152B: Small Group Jazz Ensemble II

Units: 1.5

Prerequisites: MUS 152A.

Enrollment Limitation: Maximum of four enrollments among MUS 152, MUS 152A, MUS 152B, MUS 252A, and MUS 252B.

Acceptable for Credit: CSU, UC

Laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This second course of a four-course series focuses on intermediate-level preparation and performance of small group jazz. Intermediate-level students study jazz from a wide variety of historical eras, ranging from the 1940s bebop style to contemporary styles. The course reinforces fundamental aspects of jazz performance, including increasingly complex rhythmic and stylistic interpretation. It also introduces concepts of conversational jazz performance and beginning-level jazz improvisation. Students are required to attend both on- and off-campus and/or virtual performances. C-ID MUS-185.

MUS 155A: Popular Music Ensemble I

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This first course in a four-course series, designed for acoustic and electric instrumentalists as well as percussionists and vocalists, focuses on preparing and performing the repertoire of popular music styles. Students are required to play an instrument or sing and participate in on- and off-campus performances.

MUS 155B: Popular Music Ensemble II

Units: 1

Prerequisites: MUS 155A.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This second course in a four-course series, designed for acoustic and electric instrumentalists as well as percussionists and vocalists, focuses on preparing and performing the repertoire of popular music styles. Students are required to play an instrument and/or sing and participate in on- and off-campus performances.

MUS 161A: Concert Chorale I

Units: 1

Prerequisites: None

Enrollment Limitation: Audition. Maximum of four enrollments among MUS 161, MUS 161A, MUS 161B, MUS 261A, MUS 261B.

NOTE: No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

In this first in a four-course series, students gain basic technical vocal skill proficiency as they rehearse and perform accompanied and a cappella music in a large ensemble. Students work to advance music literacy skills and build vocal and choral strength, accuracy, and flexibility appropriate for the study of major choral works that represent a broad spectrum of history.

MUS 161B: Concert Chorale II

Units: 1

Prerequisites: MUS 161A.

Enrollment Limitation: Maximum of four enrollments among MUS 161, MUS 161A, MUS 161B, MUS 261A, MUS 261B. NOTE: No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

In this second in a four-course series, students gain fundamental technical vocal skill proficiency as they rehearse and perform accompanied and a cappella music in a large ensemble. Students work to advance music literacy skills and build vocal and choral strength, accuracy, and flexibility appropriate for the study of major choral works that represent a broad spectrum of history.

MUS 164: Musical Theater Ensemble

Units: 1

Prerequisites: None

Corequisite: DRAM 204

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Spring

This course provides students with the opportunity to perform in main-stage musical productions. Topics include vocal production, story and character development, and ensemble skills. The singing cast is selected by audition, and all students participate in the Kennedy Center/American College Theatre Festival competition. (May be repeated three times.)

MUS 165A: Chamber Choir I

Units: 1.5

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among MUS 165, MUS 165A, MUS 165B, MUS 265A, and MUS 265B.

Acceptable for Credit: CSU, UC

Laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

In this first in a four-course series, students learn how to perform representative choral music literature with basic technical vocal skill in a small ensemble. Topics include beginning-level vocal production, ensemble skills, music history and theory, and performance skills. Students are required to participate in on- and off-campus performances and concert tours.

MUS 165B: Chamber Choir II

Units: 1.5

Prerequisites: MUS 165A.

Enrollment Limitation: Maximum of four enrollments among MUS 165, MUS 165A, MUS 165B, MUS 265A, and MUS 265B.

Acceptable for Credit: CSU, UC

Laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

In this second in a four-course series, students learn how to perform representative choral music literature with intermediate-level technical vocal skill in a small ensemble. Topics include intermediate-level vocal production, ensemble skills, music history and theory, and performance skills. Students are required to participate in on- and off-campus performances and concert tours.

MUS 166A: Vocal Jazz Ensemble I

Units: 1.5

Prerequisites: None

Advisory: MUS 100 and MUS 141

Enrollment Limitation: Maximum of four enrollments among MUS 166, MUS 166A, MUS 166B, MUS 266A, and MUS 266B.

Acceptable for Credit: CSU, UC

Laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

Students study classic and contemporary vocal jazz repertoire through vocal jazz ensemble rehearsal and performance. They present concerts and festivals on campus and throughout the community as well as concert tours. Students develop beginning vocal or instrumental skills, sight reading skills with basic intervals and rhythms, and perform at least one solo using basic melodic shaping and jazz improvisation concepts. Students are required to attend professional jazz performances. First level of four semester enrollments.

MUS 166B: Vocal Jazz Ensemble II

Units: 1.5

Prerequisites: MUS 166A

Enrollment Limitation: Maximum of four enrollments among MUS 166, MUS 166A, MUS 166B, MUS 266A, and MUS 266B.

Acceptable for Credit: CSU, UC

Laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

Students study classic and contemporary vocal jazz repertoire through vocal jazz ensemble rehearsal and performance. They present concerts and festivals on campus and throughout the community as well as concert tours. Students develop beginning-intermediate vocal or instrumental skills, sight reading skills with beginning-intermediate intervals and syncopated rhythms, and perform at least one solo using melodic shaping and intermediate improvisation concepts, using a student-prepared lead sheet. Students are required to attend professional jazz performances. Second level of four semester enrollments.

MUS 170A: Symphony Orchestra I

Units: 1

Prerequisites: None

Enrollment Limitation: Audition and maximum of four enrollments among MUS 170, MUS 170A, MUS 170B, MUS 270A, MUS 270B.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This beginning course in a four-course series concentrates on the preparation and performance of symphonic orchestral literature. Students study music from a wide variety of historical eras, ranging from the Baroque to contemporary styles. The course introduces beginning-level characteristics of classical performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balance, instrumental blend, sight reading, correct intonation, and individual practice strategies. Students are required to attend both on- and off-campus and/or virtual performances.

MUS 170B: Symphony Orchestra II

Units: 1

Prerequisites: MUS 170A.

Enrollment Limitation: Maximum of four enrollments among MUS 170, MUS 170A, MUS 170B, MUS 270A, MUS 270B.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This second course in a four-course series concentrates on intermediate-level preparation and performance of symphonic orchestral literature. Students study music from a wide variety of historical eras, ranging from the Baroque to contemporary styles. The course reinforces aspects of classical performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balances, instrumental blend, sight reading, correct intonation, and individual practice strategies. Students are required to attend both on- and off-campus and/or virtual performances.

MUS 188: Technology for Music Majors

Units: 2

Prerequisites: MUS 100.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall or Spring

This survey course presents an introduction to technological tools for students in music performance, music education, and general education. It is designed to introduce basic studio recording concepts, live sound systems, digital audio workstations, MIDI, and music notation software for the performance of classical and jazz/commercial music.

MUS 201: Advanced Music Theory

Units: 3

Prerequisites: MUS 102.

Corequisite: MUS 203.

Advisory: Concurrent enrollment in MUS 228.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course introduces advanced analysis and compositional techniques found in 18th through 20th century Western classical music. Topics include secondary dominants, modal mixture, and augmented and Neapolitan sixth chords as well as chorale analysis and binary and ternary musical forms. The course integrates advanced ear training concepts from MUS 203, emphasizes the recognition and correct compositional use of modulation techniques, including pivot chord, secondary dominant, and common tone modulations, and it reviews four-part diatonic chorale writing and related analysis techniques in both major and minor keys. C-ID MUS-140 and C-ID MUS-150.

MUS 203: Advanced Musicianship

Units: 1

Prerequisites: MUS 104.

Corequisite: MUS 201.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Spring

This course provides advanced-level ear training for the music major and integrates with the theory concepts being learned in MUS 201. Topics include scale degree recognition with different tonics, rhythm identification and dictation, intervals, cadences, interval and melodic dictation, and predominant chord identification. Students are required to attend live musical performances. C-ID MUS-145.

MUS 228: Advanced Piano

Units: 1

Prerequisites: MUS 128.

Enrollment Limitation: Maximum of four enrollments among MUS 120, MUS 121, MUS 128, MUS 129, MUS 228, MUS 229. NOTE:

No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Spring

This course provides piano and advanced musicianship skills training. Topics include complex notation, scales, chords, transposition, and sight reading. Students develop advanced-level piano performance skills using appropriate literature, and they study prominent piano composers and different eras of piano literature. Students are required to perform in public at least once and attend a live professional classical piano performance. C-ID MUS-172.

MUS 229: Jazz/Commercial Piano

Units: 1

Prerequisites: MUS 128.

Advisory: MUS 152A or MUS 253

Enrollment Limitation: Maximum of four enrollments among MUS 120, MUS 121, MUS 128, MUS 129, MUS 228, MUS 229. NOTE:

No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall

This course provides jazz piano performance training and covers advanced musicianship skills. It includes contemporary notation, scales, chords, transposition, and sight reading. Students continue to develop advanced level jazz piano performance and accompanying skills using appropriate literature, and they study prominent pianists and the different eras of jazz piano history. Students are required to attend a live professional piano performance and perform in public at least once.

MUS 241: Advanced Vocal Techniques

Units: 1

Prerequisites: MUS 141.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Spring odd years

This voice class covers advanced techniques in singing for students seeking to further develop specific vocal training and musical abilities. Topics include tone color, vowel modification, diction for languages, and interpretation for varying musical styles.

MUS 244A: Individual Instruction III

Units: 1

Prerequisites: None

Corequisite: MUS 145A, MUS 145B, MUS 245A, or MUS 245B.

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Lecture 1 hour.

Course Typically Offered: Fall, Spring

This course is the third semester of private study for music majors. Instrumentalists and vocalists focus on classical or jazz/commercial technique, performance practice, and repertoire at an intermediate-advanced level in preparation for transfer auditions. Repertoire is performed in concerts and in performance lab classes. C-ID MUS-160.

MUS 244B: Individual Instruction IV

Units: 1

Prerequisites: None

Corequisite: MUS 145A, MUS 145B, MUS 245A, or MUS 245B.

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Lecture 1 hour.

Course Typically Offered: Fall, Spring

This course is the fourth semester of private study for music majors. Instrumentalists and vocalists focus on advanced classical or jazz/commercial technique, performance practice, and repertoire in preparation for transfer auditions. Repertoire is performed in concerts and in performance lab classes. C-ID MUS-160.

MUS 245A: Performance Lab III

Units: .5

Prerequisites: MUS 145B.

Enrollment Limitation: Maximum of four enrollments among MUS 144, MUS 145A, MUS 145B, MUS 244, MUS 245A, MUS 245B. NOTE: No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This third in a four-course series explores intermediate-advanced performance techniques in a group environment. Students observe and evaluate performances by guest and peer musicians and complete other performance-related activities. The course is closely affiliated with the individual instruction courses. It is required of all music performance majors but is open to all students.

MUS 245B: Performance Lab IV

Units: .5

Prerequisites: MUS 245A.

Enrollment Limitation: Maximum of four enrollments among MUS 144, MUS 145A, MUS 145B, MUS 244, MUS 245A, MUS 245B. NOTE: No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This final course in a four-semester series explores advanced performance techniques in a group environment. Students observe and evaluate performances by guest and peer musicians and complete other performance-related activities. The course is closely affiliated with the individual instruction courses. It is required of all music performance majors but is open to all students.

MUS 250A: Contemporary Big Band III

Units: 1

Prerequisites: MUS 150B.

Enrollment Limitation: Maximum of four enrollments among MUS 150, MUS 150A, MUS 150B, MUS 250A, and MUS 250B.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This performance group concentrates on the preparation and performance of large jazz ensemble/big band jazz. Intermediate-advanced students study music from a wide variety of historical eras, ranging from the 1920s swing style to contemporary styles. The course reinforces aspects of large jazz ensemble performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balances, instrumental blend, sight reading, and correct intonation. Improvisation is introduced. Students are required to attend both on- and off-campus and/or virtual performances. Third level of four semester enrollments. C-ID MUS-180.

MUS 250B: Contemporary Big Band IV

Units: 1

Prerequisites: MUS 250A.

Enrollment Limitation: Maximum of four enrollments among MUS 150, MUS 150A, MUS 150B, MUS 250A, and MUS 250B.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This fourth in a four-course series concentrates on the preparation and performance of large jazz ensemble/big band jazz. Advanced students study music from a wide variety of historical eras, ranging from the 1920s swing style to contemporary styles. The course reinforces aspects of large jazz ensemble performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balances, instrumental blend, sight reading, correct intonation, and improvisational skills. Students are required to attend both on- and off-campus and/or virtual performances. C-ID MUS-180.

MUS 252A: Small Group Jazz Ensemble III

Units: 1.5

Prerequisites: MUS 152B.

Enrollment Limitation: Maximum of four enrollments among MUS 152, MUS 152A, MUS 152B, MUS 252A, and MUS 252B.

Acceptable for Credit: CSU, UC

Laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This third course in a four-course series concentrates on intermediate-advanced level preparation and performance of small group jazz. Intermediate-advanced-level students study jazz from a wide variety of historical eras, ranging from the 1940s bebop style to contemporary styles. The course reinforces aspects of jazz performance, including increasingly complex rhythmic and stylistic interpretation, and emphasizes the concepts of interactive jazz performance and intermediate-level jazz improvisation. Students are required to attend both on- and off-campus and/or virtual performances. C-ID MUS-185.

MUS 252B: Small Group Jazz Ensemble IV

Units: 1.5

Prerequisites: MUS 252A.

Enrollment Limitation: Maximum of four enrollments among MUS 152, MUS 152A, MUS 152B, MUS 252A, and MUS 252B.

Acceptable for Credit: CSU, UC

Laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This final course in a four-course series concentrates on advanced-level preparation and performance of small group jazz. Advanced-level students study jazz from a wide variety of historical eras, ranging from the 1940s bebop style to contemporary styles. The course reinforces aspects of jazz performance, including advanced rhythmic and stylistic interpretation. It emphasizes interactive jazz performance and advanced-level jazz improvisation and introduces jazz arranging for the small group. Students are required to attend both on- and off-campus and/or virtual performances. C-ID MUS-185.

MUS 253: Jazz/Commercial Improvisation

Units: 2

Prerequisites: None

Enrollment Limitation: Audition and not open to students with prior credit in MUS 153.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Spring even years

This course introduces students to melodic improvisational techniques used in jazz and many commercial musical styles. Participants study the art of constructing an appropriate linear melodic solo in a variety of common styles, including swing, Latin, bop, funk, fusion, and soul. The course relates music theory and improvisation to chord/scale relationships and modes, modal chord progressions, blues, rhythm changes, and standard major and minor chord progressions.

MUS 255A: Popular Music Ensemble III

Units: 1

Prerequisites: MUS 155B.

Acceptable for Credit: CSU

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This third course in a four-course series, designed for acoustic and electric instrumentalists as well as percussionists and vocalists, focuses on preparing and performing the repertoire of popular music styles. Students are required to play an instrument and/or sing and participate in on- and off-campus performances.

MUS 255B: Popular Music Ensemble IV

Units: 1

Prerequisites: MUS 255A

Acceptable for Credit: CSU

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This fourth course in a four-course series, designed for acoustic and electric instrumentalists as well as percussionists and vocalists, focuses on preparing and performing the repertoire of popular music styles. Students are required to play an instrument and/or sing and participate in on- and off-campus performances.

MUS 260: Contemporary Music Composition

Units: 2

Prerequisites: MUS 100.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Spring

This course covers the essential elements necessary to compose music in the contemporary realm: harmony, melody, form, and style. Students apply strategies of effective songwriting through analysis and composition. The course is designed for students with an understanding of basic harmony and fundamental musical abilities. C-ID CMUS-150X.

MUS 261A: Concert Chorale III

Units: 1

Prerequisites: MUS 161B.

Enrollment Limitation: Maximum of four enrollments among MUS 161, MUS 161A, MUS 161B, MUS 261A, MUS 261B. NOTE: No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

In this third in a four-course series, students gain intermediate technical vocal skill proficiency as they rehearse and perform accompanied and a cappella music in a large ensemble. Students work to advance music literacy skills and build vocal and choral strength, accuracy, and flexibility appropriate for the study of major choral works that represent a broad spectrum of history.

MUS 261B: Concert Chorale IV

Units: 1

Prerequisites: MUS 261A.

Enrollment Limitation: Maximum of four enrollments among MUS 161, MUS 161A, MUS 161B, MUS 261A, MUS 261B. NOTE: No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

In this final course in the concert chorale series, students gain advanced technical vocal skill proficiency as they rehearse and perform accompanied and a cappella music in a large ensemble. Students work to advance music literacy skills and build vocal and choral strength, accuracy, and flexibility appropriate for the study of major choral works that represent a broad spectrum of history.

MUS 265A: Chamber Choir III

Units: 1.5

Prerequisites: MUS 165B.

Enrollment Limitation: Maximum of four enrollments among MUS 165, MUS 165A, MUS 165B, MUS 265A, and MUS 265B.

Acceptable for Credit: CSU, UC

Laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

In this third in a four-course series, students learn how to perform representative choral music literature with intermediate-advanced technical vocal skill in a small ensemble. Topics include intermediate-advanced-level vocal production, ensemble skills, music history and theory, and performance skills. Students are required to participate in on- and off-campus performances and concert tours.

MUS 265B: Chamber Choir IV

Units: 1.5

Prerequisites: MUS 265A.

Enrollment Limitation: Maximum of four enrollments among MUS 165, MUS 165A, MUS 165B, MUS 265A, and MUS 265B.

Acceptable for Credit: CSU, UC

Laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

In this final course in a four-semester series, students learn how to perform representative choral music literature with advanced technical vocal skill in a small ensemble. Topics include advanced-level vocal production, ensemble skills, music history and theory, and basic performance skills. Students are required to participate in on- and off-campus performances and concert tours.

MUS 266A: Vocal Jazz Ensemble III

Units: 1.5

Prerequisites: MUS 166B

Enrollment Limitation: Maximum of four enrollments among MUS 166, MUS 166A, MUS 166B, MUS 266A, and MUS 266B.

Acceptable for Credit: CSU, UC

Laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

Students study classic and contemporary vocal jazz repertoire through vocal jazz ensemble rehearsal and performance. They present concerts and festivals on campus and throughout the community as well as concert tours. Students develop intermediate vocal or instrument skills, sight reading skills with chromatic intervals and advanced rhythms, and perform at least two solos with jazz phrasing and advanced improvisation, using student-prepared lead sheets on music notation software. Students are required to attend professional jazz performances. Third level of four semester enrollments.

MUS 266B: Vocal Jazz Ensemble IV

Units: 1.5

Prerequisites: MUS 266A

Enrollment Limitation: Maximum of four enrollments among MUS 166, MUS 166A, MUS 166B, MUS 266A, and MUS 266B.

Acceptable for Credit: CSU, UC

Laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

Students study classic and contemporary vocal jazz repertoire through vocal jazz ensemble rehearsal and performance. They present concerts and festivals on campus and throughout the community as well as concert tours. Students develop advanced vocal or instrumental skills, sight reading skills with all intervals and advanced syncopated rhythms, and perform at least two solos with jazz phrasing and advanced improvisation, using fully arranged student-prepared lead sheets on music notation software. Students are required to attend professional jazz performances. Fourth level of four semester enrollments.

MUS 270A: Symphony Orchestra III

Units: 1

Prerequisites: MUS 170B.

Enrollment Limitation: Maximum of four enrollments among MUS 170, MUS 170A, MUS 170B, MUS 270A, MUS 270B.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This performance group concentrates on intermediate-advanced level preparation and performance of symphonic orchestral. Students study music from a wide variety of historical eras, ranging from the Baroque to contemporary styles. The course reinforces many aspects of classical performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balance, instrumental blend, sight reading, correct intonation, and individual practice strategies. Students are required to attend both on- and off-campus and/or virtual performances. Third level of four semester enrollments.

MUS 270B: Symphony Orchestra IV

Units: 1

Prerequisites: MUS 270A.

Enrollment Limitation: Maximum of four enrollments among MUS 170, MUS 170A, MUS 170B, MUS 270A, MUS 270B.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This fourth course in a four-course series concentrates on advanced-level preparation and performance of symphonic orchestral literature. Students study music from a wide variety of historical eras, ranging from the Baroque to contemporary styles. The course introduces and reinforces many aspects of classical performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balance, instrumental blend, sight reading, correct intonation, and individual practice strategies. Students are required to attend both on- and off-campus and/or virtual performances.

MUS 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

MUS 296: Topics in Music

Units: 1-4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Lecture 4 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Music that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Music Technology

The Music Technology program offers courses for students who wish to earn a certificate or an associate degree in music technology or who plan on transferring as a music major to a four-year institution. Areas of focus include audio production, audio for media, sound reinforcement, and the principles of business in the field of music and media.

Academic and Career Pathway: Creative and Applied Arts

Contact Information

Chair: Stephen Torok**Dean:** Jonathan Fohrman

<https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/music-technology/index.html>

Department: Music

Office: Building OC2700,
760.795.6844

Full-Time Faculty

Christy Coobatis

Dan Siegel

Associate Degree

Associate in Arts Degree

Music Technology

Students may earn the above-named associate degree by completing a certificate of achievement and the general education courses required for the Associate in Arts degree (see Associate Degrees (p. 67)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written education plan for the specific degree or certificate they wish to earn.

Program Student Learning Outcome Statement

Upon completion of this program, the student will be able to

- ▶ teach methods to use current technologies to create a high-quality musical presentation suitable for broadcast and live sound within a given timeline.
- ▶ work within a group to produce an audio recording and live sound presentation using audio equipment, such as mixers, audio recorders, signal processors, patch bays, and microphones.
- ▶ choose, position, and configure microphones and preamplifiers to accurately capture, store, amplify and distribute audio.

Certificates

Certificate of Achievement

Music Technology

This certificate prepares students for jobs in the field of audio recording, production, and audio in live performance presentations. The curriculum includes in-depth study of recording arts from general study to production of a final product suitable for presentation within a portfolio. Students

Areas of Study & Courses

learn all aspects of the process from the perspective of a recording engineer to that of a performer.

Program Student Learning Outcome Statement

Upon completion of this program, the student will be able to

- ▶ use current technologies to create a high-quality musical presentation suitable for broadcast and live sound within a given timeline.
- ▶ work both individually and within a group to produce an audio recording and live sound presentation using audio equipment, such as mixers, audio recorders, signal processors, patch bays, and microphones meeting current industry standards.
- ▶ deliver the completed audio presentation within current, commonly accepted distribution methods such as fixed-media movable storage (e.g., flash drive, disks) or mainstream Internet delivery sites (e.g., Dropbox, Youtube, Vimeo, and Facebook).

Music technology core coursework:

MTEC 110	Recording Arts I	2
MTEC 111	Recording Arts II	2
MTEC 120	Digital Audio Production I	2
MTEC 130	MIDI	2
MTEC 140	Sound Reinforcement I	2
MTEC 141	Sound Reinforcement II	2
MTEC 150	Audio Equipment Maintenance	2
MTEC 210	Recording Arts III	2
MTEC 211	Recording Arts IV	2
MTEC 220	Digital Audio Production II	2
MTEC 230	Electronic Music and Sound Design	2

Choose 3 units from the following music theory and performance training courses: 3

MUS 100	Introduction to Music Theory
MUS 120	Piano I
MUS 121	Piano II
MUS 130	Guitar I
MUS 131	Guitar II
MUS 141	Vocal Fundamentals
MUS 161A	Concert Chorale I

Select one course from the following: 2-3

MTEC 160	Business of Music and Media I
MUS 260	Contemporary Music Composition

Select at least one course from the following for a minimum of 2 units: 2-3

MTEC 292	Internship Studies
MTEC 299	Occupational Cooperative Work Experience
BUS 130	Entrepreneurship and Small Business Management
BUS 132	Marketing
BUS 138	Business Promotion
COMM 106	Group Communication
CS 150	C++ Programming
CS 151	Advanced C++ Programming
CSIT 110	Computer Applications

CSIT 120	Fundamentals of Computer Information Systems
CSIT 155	Social Media for Business
CSIT 160	Technology, the Individual, and Society
DRAM 110	Voice and Diction
FILM 101 or FILM 101H	Introduction to Film Introduction to Film (Honors)
MAT 120	Media Design 1: Production
MAT 125	Web Design 1: Fundamentals
MAT 150	Animation and Interactivity
MAT 160	Video 1: Production
MAT 165	Web Design 2: Tools and Techniques
MAT 290	Portfolio Development

Total Units

29-31

Certificate of Achievement

Business of Music and Media

This program begins with the fundamentals of intellectual property and contract law and expands to the strategies of exploitation of creative works in today's marketplace. Students who complete the Business of Music and Media program can apply their skills to professional positions in all facets of the entertainment industry.

Program Student Learning Outcome Statement

Upon completion of this program, the student will be able to

- ▶ demonstrate an understanding of intellectual property laws as they specifically apply to the entertainment industry.
- ▶ understand the process of affiliation with the appropriate organizations for the registration and collection of copyright royalties.
- ▶ demonstrate the ability to understand and interpret contracts and terminology specifically found in the entertainment industry.

Required courses:

FILM 112 or FILM 112H	Film History II: 1945-Present Film History II: 1945-Present (Honors)	3
MTEC 160	Business of Music and Media I	3
MTEC 260	Business of Music and Media II	2
MUS 112	American Popular Music	3
Business Electives - select nine units from the following:		9
BUS 130	Entrepreneurship and Small Business Management	
BUS 131	Management Principles	
BUS 136	Human Relations in Business	
BUS 140 or BUS 140H	Legal Environment of Business Legal Environment of Business (Honors)	
Internship - select two units from the following:		2
MTEC 292	Internship Studies	
MUS 292	Internship Studies	

Total Units

22

Certificate of Proficiency

Music Technology

The Music Technology Certificate is designed to provide concepts and application of principles needed to successfully operate and maintain audio equipment. The curricula ranges from the recording studio to stage and touring. Upon successful completion a student will possess skills necessary for employment as an audio technician, producer, engineer and music products salesperson.

Program Student Learning Outcome Statement

- Upon completion of this program, a student will be able to achieve proficiency in various aspects of music technology such as equipment setup, procurement, and application.

Required courses:

DRAM 141	Lighting Design for Theatre, Television, and Film	3
or MTEC 160	Business of Music and Media I	
MTEC 110	Recording Arts I	2
MTEC 120	Digital Audio Production I	2
MTEC 130	MIDI	2
MTEC 140	Sound Reinforcement I	2
MTEC 150	Audio Equipment Maintenance	2
Total Units		13

Courses

MTEC 110: Recording Arts I

Units: 2

Prerequisites: None

Advisory: MTEC 120, MUS 100, and MUS 144A.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This first in a sequence of four recording arts courses presents an introductory overview of the audio production process. Topics include the physics of sound, transducers, audio processors, and recording-studio logistics. C-ID CMUS-130X.

MTEC 111: Recording Arts II

Units: 2

Prerequisites: MTEC 110.

Advisory: MTEC 120

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This is the second in a series of four courses designed as the study of the theory and application of methods and tools in the field of recording arts and audio production.

MTEC 120: Digital Audio Production I

Units: 2

Prerequisites: None

Advisory: MTEC 110.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course is a survey of the various procedures and technology used in contemporary audio production in the digital domain. Course work includes the Avid Pro Tools 101 Certification Test. Students are required to own or have ongoing personal access to a working copy of the Avid ProTools Digital Audio Software application and a suitable computer. C-ID CMUS-120X.

MTEC 130: MIDI

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This survey course explores the full range of Musical Instrument Digital Interface (MIDI) capable software and hardware including associated production techniques for music composition, performance, and recording.

MTEC 140: Sound Reinforcement I

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall

This course provides an overview of live concert sound reinforcement. Topics include theory and application of individual sound system components, such as microphones, mixers, amplifiers, wireless microphones and speakers.

MTEC 141: Sound Reinforcement II

Units: 2

Prerequisites: MTEC 140.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Spring

This course covers advanced topics in sound system design, stage management/organization, and sound checks. Topics include troubleshooting, live concert recording, and live concert interfacing with wireless microphones, MIDI, and video systems.

MTEC 150: Audio Equipment Maintenance

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Spring

This course introduces audio maintenance, calibration, and minor repair as well as electronic building tips as they pertain to music, theater, and related application of practical electronics. Students learn basic electronic principles and how they relate to signal flow and troubleshooting in various audio and related technical environments. Topics include signal path, circuit testing, component matching, power rating, and parallel and series type wiring as well as hands-on work with basic electronic maintenance/repair kits. The course emphasizes safety issues with electricity.

MTEC 160: Business of Music and Media I

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall

This course explores the essential topics relevant to participation in the contemporary music and media industry: intellectual property rights, copyright law, publishing administration, performing rights organizations, music licensing, contracts, and artist representation. C-ID CMUS-140X.

MTEC 210: Recording Arts III

Units: 2

Prerequisites: MTEC 111.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall

This third in a four-course sequence provides an in-depth technical and applied study of recording techniques covered in the previous recording arts courses. Topics include effects and dynamics processing and complex routing used in the context of the multi-track recording and mixdown. Students work within a group and utilize studio time to complete assignments within a given timeline.

MTEC 211: Recording Arts IV

Units: 2

Prerequisites: MTEC 210.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Spring

This fourth and final course in the recording arts technology sequence involves technical, personnel, and musical elements for final production of commercial music projects. Students individually organize and complete an outlined production of a workforce-ready product in a multi-track recording facility.

MTEC 220: Digital Audio Production II

Units: 2

Prerequisites: MTEC 120.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Spring

This course is an in-depth study of advanced digital audio production techniques in the Avid Pro Tools software environment. Specific subject areas include system setup, multi-track recording, editing, mixing, mastering, and the synchronization of audio with video. Course work includes the Avid Pro Tools 110, and 201 certification tests. Students are required to own or have ongoing personal access to a working copy of the Avid ProTools Digital Audio Software application and a suitable computer.

MTEC 230: Electronic Music and Sound Design

Units: 2

Prerequisites: MTEC 130.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course provides an in-depth study and application of computer-generated and controlled sound devices within the current MIDI standard as defined by the MIDI Manufacturer's Association. Topics include the MIDI data stream and current specification, sound synthesis, networked MIDI systems, programming sound and stage control parameters, advanced music sequencer operation, and editing. Students program integrated MIDI systems for music composition, recording, and performance.

MTEC 260: Business of Music and Media II

Units: 2

Prerequisites: MTEC 160.

Acceptable for Credit: CSU

Lecture 2 hours.

Course Typically Offered: Spring

Catalog Description This second in a two course series covers effective methods of exploitation and monetization of creative works in the current industry marketplace. Specific topics include careers in music and media, independent music production and distribution, synchronization and licensing, music submissions, marketing and publicity, and attaining practical goals.

MTEC 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

MTEC 296: Topics in Music Technology

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Music Technology that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

MTEC 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Nursing

The Registered Nursing (ADN) and Licensed Vocational Nursing (LVN) Programs prepare students to care for patients in hospitals and other healthcare agencies through coursework in humanities, natural sciences, social sciences, and the nursing discipline. These programs emphasize nursing theory and clinical practice for direct patient care.

Licensure

Upon successful completion of the Associate Degree Nursing (ADN) program, graduates are eligible to apply for the National Council Licensure Examination for Registered Nurses. Upon successful performance on the examination, they are licensed as registered nurses (RNs).

Students completing the Certificate of Achievement in Licensed Vocational Nursing Program may take additional courses in general education to receive their Associate in Arts in Licensed Vocational Nursing (see Associate Degrees (p. 67)). Upon completion of the LVN associate degree program, graduates are eligible to apply for the National Council Licensure Examination for Vocational Nurses; if successful, they are licensed as vocational nurses (LVNs).

Point System

A point system using multi-criteria approved by the California Community Colleges Chancellor's Office is used to accept students into the RN program. A list of this criteria is located on the nursing website (www.miracosta.edu/instruction/nursing/).

Test of Essential Academic Skills (TEAS)

Students accepted into the RN program must take the Test of Essential Academic Skills (TEAS) and receive a composite score of 62 percent or higher in order to begin the program. The score on the first TEAS test taken is the one used for the points, not additional ones. Students who do not receive at least a 62 percent will be counseled and have a remediation plan designed. They will have one year to complete the remediation plan before retesting for admittance. This program has been approved by the Board of Registered Nursing, PO Box 499210, Sacramento, CA 94244-2100.

Academic and Career Pathway: Health Sciences

Contact Information**Chair:** Susan Simpson**Dean:** Al Taccone

<https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nursing/index.html>

Department: Nursing and Allied Health**Office:** Building OCT420, 760.757.2121 x 6466**Full-Time Faculty**

Giana Carey

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Roland Estrella

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Emily Mercuri

Michelle Odom

Allison Perkins

Alison Phinney

Susan Simpson

Associate Degrees

Associate in Arts Degree

Licensed Vocational Nursing

Students may earn the above-named associate degree by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 67)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to promote and maintain a safe environment by integrating nursing process and skill competency to intervene therapeutically for the health of the patient.

Associate in Science Degree

Registered Nursing

Track I - Generic ADN

Track II - LVN-RN (ADN)

The Registered Nursing program offers two tracks for students: Track I and Track II. Track II is for California Licensed Vocation Nurses only. Students must possess a valid LVN license to complete Track II.

Applications for admission are available in the Nursing and Allied Health Occupations Administrative Office (Building T420) on the Oceanside campus. Requirements include an overall grade point average (GPA) of 2.5 for Human Anatomy (BIO 210 or BIO 210H), Human Physiology (BIO 220), and Microbiology (BIO 230) with no grade less than "C" for each course and no more than one repetition of any of these courses. Students must have a cumulative GPA of 2.5 for all college coursework taken. The selection criteria for admission to the program is consistent with California Community Colleges Chancellor's Office standards for Statewide Alignment of Associate Degree Nursing (ADN) prerequisites. The criteria can be found on the nursing website (www.miracosta.edu/nursing).

Students accepted into the Registered Nursing program must take the Test of Essential Academic Skills (TEAS) and receive a composite score of 62 percent or higher in order to begin the program. Study materials for the test can be found at www.atitesting.com. Students who do not receive at least a 62 percent will be counseled and have a remediation plan designed. They will have one year to complete the remediation plan before retesting for admittance. This program has been approved by the Board of Registered Nursing, PO Box 499210, Sacramento, CA 94244-2100.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to manage and promote effective care while maintaining a safe environment by integrating nursing process, clinical reasoning, and skill competency to intervene therapeutically for the health of the patient.

Track I: Generic ADN

Students must have completed the following prerequisite courses before applying to the Registered Nursing (ADN) program:

BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab) *	3-4
or BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	
BIO 210	Human Anatomy	4
or BIO 210H	Human Anatomy (Honors)	
BIO 220	Human Physiology *	4
BIO 230	Introduction to Microbiology	5
ENGL 100	Composition and Reading *	4
or ENGL 100H	Composition and Reading (Honors)	
Total Units		20-21

Required courses:		
COMM 101	Public Speaking *	3
or COMM 106	Group Communication	
or COMM 207	Interpersonal Communication	
NURS 180	Fundamentals of Nursing	4
NURS 181	Medical Surgical Nursing I	4
NURS 182	Maternal-Child Nursing	5
NURS 183	Medical Surgical Nursing II	4.5
NURS 281	Medical Surgical Nursing III	7
NURS 282	Psychiatric-Mental Health Nursing	3.5
NURS 283	Medical Surgical Nursing IV	7
NURS 284	Contemporary Nursing Practice and Leadership	1.5
PHAR 201	Pharmacology Review and Update	2
Select at least three units from the following: *		3
CHLD 113	Child and Adolescent Growth and Development	
GERO 101	Introduction to Aging	
PSYC 100	Psychology of Personal Growth	
PSYC 101	General Psychology	
PSYC 101H	General Psychology (Honors)	
PSYC/SOC 103	Social Psychology	
SOC 101	Introduction to Sociology	
SOC 101H	Introduction to Sociology (Honors)	
SOC 102	Contemporary Social Problems	
Additional associate degree requirements: ***		3
GE Area C (Plan A) ***		
Prerequisite Units		20-21
Total Units		67.5-68.5

Track II: LVN-RN (ADN)

California Licensed Vocational Nurses are eligible to apply for a one-year LVN-RN transition program, also known as the Registered Nursing (LVN-RN) Step-Up program *in pursuit of the Associate Degree in Nursing*. First-year nursing course work credit is granted with evidence of an active California LVN license in good standing and evidence of graduating from a program approved by the Board of Vocational Nursing and Psychiatric Technicians (BVNPT). Students complete a transition course offered during summer and two subsequent semesters for eligibility to apply to take the National Council License Exam for Registered Nursing (NCLEX). For those students who have received their license through challenging the NCLEXPN, pediatric and obstetrical content will need to be verified by the ADN director. Please make an appointment in the Nursing and Allied Health Office (OCT420) to determine how to satisfy this requirement.

Students accepted into the LVN-RN (ADN) (Track II) program must take the Test of Essential Academic Skills (TEAS) and receive a composite score of 62 percent or higher in order to begin the program. Study materials for the test can be found at www.atitesting.com. Students who do not receive at least a 62 percent will be counseled and have a remediation plan designed. They will have one year to complete the remediation plan before retesting for admittance. This program has been approved by the Board of Registered Nursing, PO Box 499210, Sacramento, CA 94244-2100.

Students must have completed the following prerequisite courses before applying to the Registered Nursing (LVN-RN) program:

BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)	3-4
or BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	
BIO 210	Human Anatomy	4
or BIO 210H	Human Anatomy (Honors)	
BIO 220	Human Physiology *	4
BIO 230	Introduction to Microbiology *	5
ENGL 100	Composition and Reading *	4
or ENGL 100H	Composition and Reading (Honors)	
PHAR 201	Pharmacology Review and Update	2
Total Units		22-23

Required courses:

COMM 101	Public Speaking *	3
or COMM 106	Group Communication	
or COMM 207	Interpersonal Communication	
NURS 280	Transition from LVN to RN	2.5
NURS 281	Medical Surgical Nursing III	7
NURS 282	Psychiatric-Mental Health Nursing	3.5
NURS 283	Medical Surgical Nursing IV	7
NURS 284	Contemporary Nursing Practice and Leadership	1.5
Select at least three units from the following: *		3
CHLD 113	Child and Adolescent Growth and Development	

GERO 101	Introduction to Aging
PSYC 100	Psychology of Personal Growth
PSYC 101	General Psychology
PSYC 101H	General Psychology (Honors)
PSYC/SOC 103	Social Psychology
SOC 101	Introduction to Sociology
SOC 101H	Introduction to Sociology (Honors)
SOC 102	Contemporary Social Problems
Additional associate degree requirements:**	
GE Area C (Plan A) ***	3
Prerequisite Units	22-23
Total Units	52.5-53.5

* These courses may also satisfy a general education (GE) requirement and apply to GE Areas A, B, D and E. Cultural Diversity, which is a required GE category (Area F), is embedded throughout the Nursing program curriculum. Each course has a component that promotes sensitivity to cultural diversity and fosters an understanding of the student's role in the global community. Students completing this degree will substantially meet this requirement. Students are not required to satisfy the GE Area G: American Institutions and History requirement due to Board of Registered Nursing licensing requirements.

** To obtain the associate degree, students must complete at least 60 units and satisfy the college's mathematics competency requirement. The Nursing Department recommends students take a statistics course to satisfy this graduation requirement. All means of demonstrating mathematics competency are explained in the college catalog and in the Administrative Procedure 4100.

*** Students with a bachelor's or an associate degree from a United States regionally accredited college in a non-nursing field are required to complete only the coursework necessary for the Registered Nursing program, including prerequisites and nursing coursework. These students are not required to complete any other courses required by the college for an associate degree.

Non-Degree 30-Unit Option for LVNs

Any LVN licensed in the state of California is eligible to apply for the non-degree 30-Unit Option LVN-RN program, for which MiraCosta College acts as a facilitator. Prescribed by the Board of Registered Nursing (BRN), this option allows students with a current California LVN license to meet the minimum requirements to sit for the Registered Nursing licensure exam by completing a maximum of 30 units.

At MiraCosta College this option requires the following:

Prerequisite course requirements:

BIO 220	Human Physiology	4
BIO 230	Introduction to Microbiology	5

Nursing course requirements:

NURS 280	Transition from LVN to RN	2.5
NURS 281	Medical Surgical Nursing III	7
NURS 282	Psychiatric-Mental Health Nursing	3.5
NURS 283	Medical Surgical Nursing IV	7

NURS 284 Contemporary Nursing Practice and Leadership *

Total Units **29**

* NURS 284 is optional.

The 30-Unit Option has both advantages and disadvantages. The primary advantage is that students take fewer courses to become licensed and do not repeat any content included in their vocational nursing program (such as pediatrics and maternity). Disadvantages include the following:

- ▶ Students who complete this option are not awarded a degree or certificate from MiraCosta College and are not entitled to wear the Nursing Program pin.
- ▶ Students who complete this option, subsequently become California RNs, and then wish to become licensed in another state will likely find they do not meet RN licensure requirements outside of California.

Applicants who desire the 30-Unit Option complete the same application form required for LVN-ADN Step-Up students and indicate this choice on the application form where appropriate. Students may apply upon completion of the program prerequisite courses. Applications are available in the Nursing Office.

Certificates

Certificate of Achievement

Licensed Vocational Nursing

The MiraCosta College Licensed Vocational Nursing program is a six-quarter program leading to a certificate as a vocational nurse. Those who qualify for enrollment receive intensive training and in-class work as well as clinical practice in direct patient care. The clinical practice is constantly supervised by licensed or registered nurse specialists who guide and teach students. Upon satisfactory completion of the program, graduates are eligible to take the National Licensure Examination for Vocational Nurses to achieve licensure. The licensed vocational nurse may seek employment in hospitals, skilled nursing facilities, clinics, physicians' offices, or various government agencies, as well as serve as a private-duty nurse in hospitals or homes.

NURS 151, NURS 60, and PHAR 100 are prerequisites and must be completed prior to applying for enrollment in the LVN program. Once prerequisites are completed, students may submit an application packet for admission into the program. For admission requirements, go to <http://www.miracosta.edu/instruction/nursing/lvnprogram.html>.

Students accepted into the program must take the Test of Essential Academic Skills (TEAS) Version V and receive a composite score of 58 percent or higher in order to begin the program. Study materials for the test can be found at www.atitesting.com. Students who do not receive at least a 58 percent will be counseled and have a remediation plan designed. They will have one year to complete the remediation plan before retesting for admittance. This program has been

approved by the Board of Registered Nursing, PO Box 499210, Sacramento, CA 94244-2100.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to promote and maintain a safe environment by integrating nursing process and skill competency to intervene therapeutically for the health of the patient.

Required courses:

NURS 60	Certified Nursing Assistant	6.5
NURS 151	Body Systems Survey for Health Professions	3
NURS 170	Licensed Vocational Nursing I	7.5
NURS 171	Licensed Vocational Nursing II	7.5
NURS 172	Licensed Vocational Nursing III	7.5
NURS 173	Licensed Vocational Nursing IV	7.5
NURS 274	Licensed Vocational Nursing V	7.5
NURS 275	Licensed Vocational Nursing VI	7.5
PHAR 100	Basic Pharmacology—Dosages and Calculations	3

Total Units **57.5**

Note: Clinical instruction is conducted in area hospitals.

Certificate of Proficiency

Certified Nursing Assistant

The Certified Nursing Assistant certificate introduces students to the basic information and nursing skills needed to pass the state exam required for Nurse Aide Certification, which enables students to work in acute care, long-term care facilities, and home nursing.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program the student will demonstrate safe and effective basic care and comfort to the health care consumer.

Required courses:

NURS 60	Certified Nursing Assistant	6.5
Total Units		6.5

Certificate of Proficiency

Home Health Aide

The Home Health Aide (HHA) certificate prepares students who are licensed as nursing assistants to care for elderly, recovering, or disabled persons in their own homes or in licensed residential care facilities. Topics covered include basic nursing services, food preparation, and household services. Federal guidelines do not require a competency exam prior to certification as an HHA. Certification is based upon verification of successful completion of an approved HHA training program.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program the student will demonstrate safe and effective basic care, comfort and environmental maintenance to the health care consumer in the home setting.

Required courses:

NURS 60	Certified Nursing Assistant	6.5
NURS 64	Home Health Aide	2
Total Units		8.5

Courses

NURS 60: Certified Nursing Assistant

Units: 6.5

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process; AHA BLS Provider card. (Submit valid SSN, MCC physical, current flu shot, and TB clearance to T420 two weeks before first class meeting.)

Acceptable for Credit: CSU

Lecture 4 hours, laboratory 7.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers basic nursing skills, including fundamentals of nursing, nutrition, gerontology, and home nursing. It is a prerequisite for MiraCosta's Licensed Vocational Nursing program and has been approved by the California Department of Public Health for the Certified Nursing Assistant certification. Upon successful completion of the course, students may seek employment in long-term and skilled nursing facilities, acute care, and in-home care. Students with prior convictions for misdemeanors or felonies will need to be cleared by the California Department of Public Health. This is done with a Live Scan on the second day of class.

NURS 64: Home Health Aide

Units: 2

Prerequisites: Current California Certified Nursing Assistant certificate; and current physical and TB test (done within a year) on MiraCosta physical form; and current American Heart Association Basic Healthcare Provider CPR card.

Lecture 1.50 hours, laboratory 1.50 hours.

Course Typically Offered: Spring

This 48-hour course is designed for the certified nursing assistant to meet the state requirement of 40 hours to obtain a Home Health Aide Certificate. Topics include the role of the home health aide, federal and state requirements for the home health aide, interpretation of medical and social needs of people being served, personal care services, nutrition and cleaning, and care tasks in the home.

NURS 151: Body Systems Survey for Health Professions

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This basic anatomy and physiology course is intended for students who are preparing for a career in health professions. The content is presented from simple to complex, beginning with cellular functioning and progressing through the various organ systems. Students learn how an organ is anatomically designed to perform a specific physiological task and how each organ system plays a role in maintaining homeostasis.

NURS 153: Pathophysiology for Health Professions

Units: 3

Prerequisites: NURS 151.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This pathophysiology course is intended for students who are preparing for a career in health professions. The course focuses on disease processes in the human body from a systems approach and includes an analysis of the most common and significant diseases. Students use appropriate medical terminology to examine the signs, symptoms, etiology, diagnosis, and treatment of disease.

NURS 155: Basic Medical Terminology

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers the origin, correct spelling, pronunciation, meaning, and correct usage of common medical terms and their application to clinical records and reports. It emphasizes the roots, prefixes, suffixes, medical abbreviations, symbols, and terms commonly used in medical records.

NURS 166: American Medical Corps Transition to Vocational Nurse

Units: 3

Prerequisites: 12 months' experience as a Medical Corps Member or equivalent.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces the American military medical member to the role of vocational nurse through a review of basic nursing skills, the nursing process, communication, medication administration/pharmacology, adult growth and development, obstetric and pediatric, gerontology, medical/surgical nursing, oncology, and hematology. The related anatomy, pathophysiology, pharmacology, psychosocial, and nutritional considerations of patients are integrated with their respective units.

NURS 170: Licensed Vocational Nursing I

Units: 7.5

Prerequisites: NURS 60 or a current California CNA license; and PHAR 100; and NURS 151 or BIO 210, BIO 210H, or BIO 220; and admission to the LVN program.

Acceptable for Credit: CSU

Lecture 4.50 hours, laboratory 9 hours.

Course Typically Offered: Fall even years

This course introduces the beginning vocational nursing student to therapeutic communication, the nursing profession, basic nursing skills, basic pharmacology, and the nursing process. (Materials Fee: \$30.00)

NURS 171: Licensed Vocational Nursing II

Units: 7.5

Prerequisites: NURS 170.

Acceptable for Credit: CSU

Lecture 4.50 hours, laboratory 9 hours.

Course Typically Offered: Spring odd years

This course introduces the vocational nursing student to nutrition, medication administration, gerontology, adult growth and development, the diabetic patient, and the integumentary system. Each unit integrates related anatomy, pathophysiology, pharmacology, psychosocial, and nutrition considerations of the patients.

NURS 172: Licensed Vocational Nursing III

Units: 7.5

Prerequisites: NURS 171.

Acceptable for Credit: CSU

Lecture 4.50 hours, laboratory 9 hours.

Course Typically Offered: Summer odd years

This course introduces the vocational nursing student to perioperative and medical-surgical nursing, the genitourinary and gastrointestinal systems, and communicable diseases. Each unit integrates related anatomy, pathophysiology, psychosocial, pharmacology, and nutrition considerations.

NURS 173: Licensed Vocational Nursing IV

Units: 7.5

Prerequisites: NURS 172.

Acceptable for Credit: CSU

Lecture 4.50 hours, laboratory 9 hours.

Course Typically Offered: Fall odd years

This course introduces vocational nursing students to the nursing care of the neurological, endocrine, oncology, orthopedic, and rehabilitation patient as well as the patient with a hematological and lymphatic disease. Each unit integrates related anatomy, pathophysiology, psychosocial, pharmacology, and nutrition considerations.

NURS 180: Fundamentals of Nursing

Units: 4

Prerequisites: None

Enrollment Limitation: Admission to RN program.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring

This entry-level nursing course introduces students to the core concepts, principles, and clinical skills common to all areas and levels of the nursing practice. It provides the platform upon which all subsequent nursing courses build. Its integration of clinical experiences may include acute, long-term, and perioperative/ambulatory care settings as well as college laboratory simulations. (Materials Fee: \$697.00)

NURS 181: Medical Surgical Nursing I

Units: 4

Prerequisites: NURS 180 (ADN).

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring

This course introduces the basic concepts required to care for adult patients with stable and/or less complex medical-surgical health problems. It emphasizes the management of unmet needs and the nursing process as organizing frameworks for providing nursing care. Students integrate and apply theoretical concepts and clinical skills in acute, long-term, and perioperative/ambulatory care settings as well as college laboratory simulations.

NURS 182: Maternal-Child Nursing

Units: 5

Prerequisites: NURS 181 (ADN).

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 6 hours.

Course Typically Offered: Fall, Spring

This course relates the nursing process to the needs of maternity and pediatric patients and their families. Students adapt previously learned skills and knowledge to the observation and direct care of normal- and high-risk populations. The integration of students' clinical experiences may include acute, long-term, and perioperative/ambulatory care settings as well as college laboratory simulations. Non-clinical and clinical activities may be presented in an online format. (Materials Fee: \$667.00)

NURS 183: Medical Surgical Nursing II

Units: 4.5

Prerequisites: NURS 181 (ADN).

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 7.50 hours.

Course Typically Offered: Fall, Spring

This course continues the study of caring for adult patients with unmet medical needs. It emphasizes perioperative health care needs across the adult life span and respective nursing interventions. Clinical simulations and experiences provide students with opportunities to apply theoretical concepts, improve clinical judgment, and broaden clinical skills in acute, long-term, perioperative/ambulatory, and/or college nursing lab care settings. Non-clinical activities in this course may be presented in an online format.

NURS 274: Licensed Vocational Nursing V

Units: 7.5

Prerequisites: NURS 173.

Acceptable for Credit: CSU

Lecture 4.50 hours, laboratory 9 hours.

Course Typically Offered: Spring even years

This course introduces the advanced vocational nursing student to the nursing care of patients with circulatory and respiratory diseases and disorders as well as home health/hospice and leadership. Each unit integrates related anatomy, pathophysiology, pharmacology, psychosocial, and nutrition considerations. The course also covers leadership, supervision skills, and interpersonal relationships.

NURS 275: Licensed Vocational Nursing VI

Units: 7.5

Prerequisites: NURS 274.

Acceptable for Credit: CSU

Lecture 4.50 hours, laboratory 9 hours.

Course Typically Offered: Summer even years

This course introduces the advanced vocational nursing student to the nursing care of obstetric, gynecologic, pediatric, and mentally ill patients as well as growth and development of the child and adolescent. Each unit integrates related anatomy, pathophysiology, psycho-social, pharmacology, and nutrition considerations. The course includes professional adjustment to prepare the nursing student for employment.

NURS 280: Transition from LVN to RN

Units: 2.5

Prerequisites: None

Enrollment Limitation: Acceptance into LVN to RN program.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 3 hours.

Course Typically Offered: Summer

This course facilitates the transition of the licensed vocational nurse (LVN) into the roles and responsibilities of the registered nurse (RN). It introduces the philosophy and conceptual framework of the RN as member of the discipline and provider of care. The course content focuses on competencies expected of the graduate Associate Degree Nurse (ADN), including clinical reasoning skills, role development, clinical skills, and the nursing process.

NURS 281: Medical Surgical Nursing III

Units: 7

Prerequisites: NURS 183 (ADN) or NURS 280 (LVN to RN).

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 12 hours.

Course Typically Offered: Fall, Spring

This course continues the study of caring for adult patients with unmet medical needs. It examines the effect of complex and chronic health problems on the physiologic and psychosocial integrity of the adult and elderly patient. Students apply theoretical concepts, improve clinical judgment, and broaden clinical skills in acute, long-term, perioperative/ambulatory, and/or college nursing lab settings. Non-clinical activities may be presented in an online format. (Materials Fee: \$667.00).

NURS 282: Psychiatric-Mental Health Nursing

Units: 3.5

Prerequisites: NURS 183 (ADN) or NURS 280 (LVN to RN).

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 4.50 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the theory and practice of nursing as related to mental health and illness. It examines how mental healthcare problems impact client integrity in various healthcare settings, and it emphasizes how therapeutic communication establishes and maintains effective nurse-client relationships. Non-clinical activities may be presented in an online format.

NURS 283: Medical Surgical Nursing IV

Units: 7

Prerequisites: NURS 281 and NURS 282.

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 12 hours.

Course Typically Offered: Fall, Spring

This course focuses on the theory and practice of nursing necessary to assist the acute and critically ill across the lifespan in achieving client integrity. It emphasizes refining use of the nursing process to provide nursing care for individuals with complex and acute health problems. Students apply advanced theoretical knowledge, critical thinking, and psychomotor skills in practical situations. Non-clinical activities may be presented in an online format.

NURS 284: Contemporary Nursing Practice and Leadership

Units: 1.5

Prerequisites: NURS 281 and NURS 282

Acceptable for Credit: CSU

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring

This course facilitates the student's transition to entry-level registered nursing practice. It presents management and leadership concepts that are applicable to a variety of health care settings. Topics include transitioning from student to registered nurse, decision-making, organization, values clarification, resource allocation, and health care trends.

NURS 288: Nurse Externship

Units: 1-4

Prerequisites: NURS 183 (Generic RN) or NURS 280 (LVN-RN Bridge)

Corequisite: Concurrent enrollment in Nursing Program and complete 75 hrs paid or 60 hrs non-paid work per unit.

Acceptable for Credit: CSU

Laboratory 12 hours.

Course Typically Offered: Fall, Spring

This course provides registered nursing (RN) students an opportunity to obtain clinical experience in the application of all previously learned knowledge and skills. Students work collaboratively with a faculty mentor, RN supervisor, and members of the health care team to meet job-oriented learning objectives. Under an RN's supervision, students are provided opportunities to increase their nursing judgment and enhance their nursing skills as preparation for their role as professional graduate nurses. A maximum of 16 units may be earned during community college attendance.

NURS 290: Critical Care

Units: 1.5

Prerequisites: None

Enrollment Limitation: Instructor Consent. Students need to be in the last semester of an RN program or equivalent.

Acceptable for Credit: CSU

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring

This course introduces students to critical care concepts and care of critically patients experiencing varied disorders. It discusses the relationship of pathophysiology to clinical manifestations that patients experience and the interventions the registered nurse needs to implement to improve patient outcomes. Topics include rhythm and 12 lead electrocardiogram (ECG) analysis and treatment, shock syndromes, medications used to maintain hemodynamic stability and perfusion, maintenance of artificial airways, and mechanical ventilation.

NURS 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

NURS 296: Topics in Nursing

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Nursing that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

NURS 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Nutrition

The Nutrition discipline includes courses that provide students with the scientific basis and applied knowledge of food and nutrition. The courses fulfill general education requirements and also enable students to transfer and pursue majors in nutrition or other health-related majors. Nutrition majors work in health-care facilities, community and public health organizations, academia and research, the food industry, health/fitness and sports industries, journalism, and general business corporate wellness programs.

Academic and Career Pathway: Health Sciences

Contact Information

Chair: Casey McFarland

Dean: Al Taccone

<https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nutrition/index.html>

Department: Kinesiology, Health and Nutrition

Office: Building OC4800, 760.795.6811

Full-Time Faculty

Gail Meinhold

Associate Degree

Associate in Science Degree

Nutrition and Dietetics for Transfer

The Associate in Science in Nutrition and Dietetics for Transfer (AS-T) degree is intended to meet the lower-division requirements for nutrition and dietetics majors, an emphasis or option within a nutrition or dietetics major, or a major considered similar to a nutrition and dietetics major at a participating California State University (CSU) campus. The degree prepares students for a career in nutrition and dietetics and to function in a variety of nutrition, public health, and clinical settings.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a nutrition or dietetics major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

- ▶ Upon successful completion of this program, students will be able to relate and apply the key theories and concepts of nutrition to advanced academic study.

Required Core Courses:

NUTR 100 or NUTR 100H	Nutrition Today * Nutrition Today (Honors)	3
PSYC 101 or PSYC 101H	General Psychology * General Psychology (Honors)	3
CHEM 150 or CHEM 150H	General Chemistry I: For Science Majors * General Chemistry I: For Science Majors (Honors)	5
BIO 230	Introduction to Microbiology *	5
List A: Select two courses.		8-9
BTEC 180 or BTEC 180H or BUS 204 or BUS 204H or MATH 103 or PSYC 104 or PSYC 104H or SOC 125	Biostatistics * Biostatistics (Honors) Business Statistics Business Statistics (Honors) Statistics Statistics for Behavioral Science Statistics for Behavioral Science (Honors) Introduction to Statistics in Sociology	
CHEM 151 or CHEM 151H	General Chemistry II: For Science Majors * General Chemistry II: For Science Majors (Honors)	
List B (choose one course):		3
NUTR 108	Cultural Aspects of Foods and Nutrition *	

NUTR 120

Principles of Food Science with Lab

Total Units

27-28

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement. Note: All of the statistics and honors courses listed are also general education courses.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Certificate

Certificate of Proficiency

Fitness Nutrition Specialist

This certificate provides the knowledge, skills, and abilities to successfully work with clients and athletes seeking basic nutritional guidance and to fight the battle against global obesity. It is designed for students currently working on or holding the Personal Fitness Trainer Certificate of Achievement. Upon completion of the certificate program, students may consider sitting for the National Academy of Sports Medicine (NASM) Fitness Nutrition Specialist exam, the American Council on Exercise (ACE) Lifestyle & Weight Management Coach exam, and/or the International Fitness Professionals Association (IFPA) Sports Nutrition Specialist exam.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, students will be able to counsel healthy clients on basic nutritional guidelines and on weight loss.

Required courses:

NUTR 100 or NUTR 100H	Nutrition Today Nutrition Today (Honors)	3
KINE 204	Techniques and Analysis of Fitness and Weight Training	3
NUTR 105	Human Performance and Sports Nutrition	3
HEAL 205 or NUTR 108	Integrative Health and Wellness Cultural Aspects of Foods and Nutrition	3
Total Units		12

Courses

NUTR 100: Nutrition Today

Units: 3

Prerequisites: None

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in NUTR 100H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course relates scientific concepts of nutrition to the function of nutrients in basic life processes. It emphasizes individual needs; functions and sources of nutrients; current nutrition and health issues; scientific method for analysis and evaluation of nutrition information; dietary guidelines and current nutrition recommendations; digestion, absorption, and metabolism; health, fitness, and disease; nutrition in the life span; and food safety. Students evaluate their food intake using several methods, including a computer diet analysis. UC CREDIT LIMITATION: Credit for NUTR 100, NUTR 100H, NUTR 105, or NUTR 125. C-ID NUTR-110.

NUTR 100H: Nutrition Today (Honors)

Units: 3

Prerequisites: None

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in NUTR 100.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course relates scientific concepts of nutrition to the function of nutrients in basic life processes. It emphasizes individual needs; functions and sources of nutrients; current nutrition and health issues; scientific method for analysis and evaluation of nutrition information; dietary guidelines and current nutrition recommendations; digestion, absorption, and metabolism; health, fitness, and disease; nutrition in the life span; and food safety. Students evaluate their food intake using several methods, including a computer diet analysis. As an honors course, it offers expanded analysis of lecture materials, increased dependence upon student participation on a daily basis, and the opportunity for students to conduct research in relevant areas of interest, and thus targets highly motivated students who are looking for a more challenging academic experience. UC CREDIT LIMITATION: Credit for NUTR 100, NUTR 100H, NUTR 105, or NUTR 125. C-ID NUTR-110.

NUTR 105: Human Performance and Sports Nutrition

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces nutrition concepts to individuals interested in sports, fitness, and health for various stages of the life cycle. It emphasizes current theories and practices related to nutrition and athletic performance. Topics include macro and micro nutrient intakes, hydration, pre- and post-event food, supplements and ergogenic aids, weight control, and body composition related to performance. The course also examines the cultural, sociological, and psychological influences related to nutrition, fitness, and athletic achievement. UC CREDIT LIMITATION: Credit for NUTR 100, NUTR 100H, NUTR 105, or NUTR 125.

NUTR 108: Cultural Aspects of Foods and Nutrition

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course examines the regional, ethnic, cultural, religious, historical, and social influences on food patterns, cuisines, and health as well as how food is viewed as an expression of cultural diversity. Students discuss, sample, and assess traditional foods of geographic areas and cultures. They also explore geographic factors in food availability, global food issues, dietary habits, religious influences on food culture, and nutrition problems of various ethnic groups. The course also addresses nutrition consequences of ethnic food choices and sanitation and safety practices.

NUTR 120: Principles of Food Science with Lab

Units: 3

Prerequisites: None

Advisory: ENGL 100 or ENGL 100H.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on the application of food science principles with emphasis on ingredient function and interaction, food preparation techniques, sensory evaluation standards, food safety and sanitation, and nutrient composition of food. Scientific food principles are studied and then practically applied to laboratory problems.

NUTR 125: Nutrition and Aging

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on the specific nutritional needs and problems in older adults. Topics include nutritional requirements, diet modifications, body system changes, body weight issues, nutrition-related chronic diseases, barriers to proper nutrients, drug/nutrient interactions, and community resources to assist the aging population. Diet and nutritional issues related to aging in a contemporary society are examined from physiological, sociological, psychological, and economic perspectives. UC CREDIT LIMITATION: Credit for NUTR 100, NUTR 105, or NUTR 125.

NUTR 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

NUTR 296: Topics in Nutrition

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Nutrition that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

NUTR 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Cooperative Work Experience is intended for students who are employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Oceanography

Oceanography is the scientific study of the ocean and its phenomena. Students take courses to prepare for a major in oceanography and to fulfill physical science general education requirements. Career options include teaching, research, marine product sales, marine safety, and a variety of positions in private and public environmental agencies.

Academic and Career Pathway: Math and Sciences

Contact Information

Chair: Erika Peters (Physical Sciences)

Dean: Michael Fino

<https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/oceanography/index.html>

Department: Physical Sciences

Office: Building OC3600,
760.757.2121 x6924

Full-Time Faculty

Roberto Falero

Eric Snortum

John Turbeville

Courses

OCEA 101: Introduction to Oceanography

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in OCEA 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course explores the major processes and features of the world's oceans. Topics include the origin and history of the ocean basins, atmospheric circulation and weather, ocean circulation, and the dynamics of waves, tides, and coastlines. The course also reviews marine life (including plankton, nekton, benthos, and marine mammals), explores the oceans as a resource for people, and considers human impacts on marine environments. UC CREDIT LIMITATION: Credit for OCEA 101 or OCEA 101H.

OCEA 101H: Introduction to Oceanography (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in OCEA 101.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course offers highly motivated students an enriched introduction to the scientific study of the oceans. The course explores the major processes and features of the world's oceans, including plate tectonics, the origin and history of the ocean basins, atmospheric circulation, weather and climate, ocean circulation, and the dynamics of waves, tides, and coastlines. The course also reviews marine life (including plankton, nekton, benthos, and marine mammals), explores the oceans as a resource for people, and considers human impacts on marine environments. UC CREDIT LIMITATION: Credit for OCEA 101 or OCEA 101H.

OCEA 101L: Introductory Oceanography Laboratory

Units: 1

Prerequisites: OCEA 101 or OCEA 101H.

Enrollment Limitation: Concurrent enrollment in OCEA 101 or OCEA 101H if prerequisite not met.

Acceptable for Credit: CSU, UC

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course is designed to accompany Oceanography 101 or 101H. It offers hands-on experience with oceanographic materials and techniques in both the laboratory and field. Topics include reading navigational charts and topographic maps, interpreting sea floor features, analyzing seawater chemistry, and studying waves and tides. On field trips, students study waves, currents, and coastal processes, examine organisms in coastal marine habitats and at an aquarium, and participate in a half-day scientific ocean voyage.

OCEA 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Pharmacology

The Nursing and Allied Health Department offers pharmacology courses as part of the Nursing program.

Academic and Career Pathway: Health Sciences

Contact Information

Chair: Susan Simpson

Dean: Al Taccone

<https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nursing/index.html>

Department: Nursing and Allied Health

Office: Building OCT420,
760.757.2121 x6466

Courses

PHAR 100: Basic Pharmacology–Dosages and Calculations

Units: 3

Prerequisites: MATH 28 or eligibility determined by the math placement process.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces important concepts, methods, and principles of administering medications. Topics include drug action and drug interaction, drug classifications, terminology, pertinent abbreviations, legalities, pharmacokinetics, and pharmacodynamics as well as problem solving for accurate measurement of medications using the apothecary and metric systems, conversion of these systems, ratio, proportion, and other formulas.

PHAR 201: Pharmacology Review and Update

Units: 2

Prerequisites: None

Enrollment Limitation: Admission into the RN program or have an LVN or RN license.

Acceptable for Credit: CSU

Lecture 2 hours.

Course Typically Offered: Fall, Spring

This course reviews pharmacology principles, safe medication administration, and dosage calculations. It emphasizes therapeutic drug use in relation to health problems and updates information regarding drug classifications and prototype agents.

PHAR 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

PHAR 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Occupational Cooperative Work Experience Education is intended for students employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Philosophy

Philosophy is the study of the fundamental nature of reality, knowledge, and values based on logical reasoning. Students take philosophy courses to prepare for a major or to fulfill general education requirements in humanities or critical thinking. With a bachelor's degree in philosophy, students pursue careers in education, business, government, journalism, computer science, publishing, and writing. A philosophy major also provides excellent undergraduate preparation for graduate studies in the discipline, law school, MBA programs, medical school, and professional seminary.

Academic and Career Pathway: Languages, Communication, and Humanities

Contact Information

Chair: Isabel Luengo**Dean:** Antonio Alarcon

<https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/philosophy/index.html>

Department: Philosophy and Religious Studies

Office: Administration Building, San Elijo Campus, 760.634.7879

Full-Time Faculty

Isabel Luengo

Jeffrey Murico

Courses

PHIL 100: Critical Thinking

Units: 3

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course develops critical thinking skills that can be applied in all areas of life. Topics include the structure and evaluation of arguments, fallacies, credibility, rhetorical devices, and explanations. Using examples from the news media, social media, advertising, political speeches, and other real-life sources, students learn the distinction between claims and theories that make sense and claims and theories that do not survive rational scrutiny.

PHIL 101: Introduction to Philosophy: Knowledge and Reality

Units: 3

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in PHIL 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This introduction to philosophical inquiry emphasizes problems of knowledge and reality through the analysis of classical and contemporary works on such issues as free will, personhood, knowledge and belief, the existence of God, and the nature of reality. The course encourages students to think independently and formulate their own tentative conclusions. UC CREDIT LIMITATION: Credit for PHIL 101 or PHIL 101H. C-ID PHIL-100.

PHIL 101H: Introduction to Philosophy: Knowledge and Reality (Honors)

Units: 3

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Enrollment Limitation: Not open to students with prior credit in PHIL 101.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces highly motivated students to the methods and topics of philosophy through the analysis and discussion of classical and contemporary works. It explores metaphysical and epistemological questions, such as free will, personhood, knowledge and belief, the existence of God, and the nature of reality. The course encourages students to think independently and rationally and to formulate their own tentative conclusions after considering several alternatives and objections to their positions. UC CREDIT LIMITATION: Credit for PHIL 101 or PHIL 101H. C-ID PHIL-100.

PHIL 102: Contemporary Moral Problems

Units: 3

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course examines the nature of morality as it applies to a variety of personal and social issues through the reading and analysis of classical and contemporary works. It explores major ethical theories, including utilitarianism, Kantian ethics, natural law theory, social contract theories, and feminist ethics. The course emphasizes the application of ethical theory to contemporary moral issues, such as war, pornography, euthanasia, animal rights, and abortion. C-ID LPPS-120.

PHIL 110: Introduction to Logic

Units: 3

Prerequisites: ACE 150, ENGL 50, or ESL 150; MATH 64, MATH 64S, or MATH 102; or eligibility determined by the English or math placement process.

Enrollment Limitation: Not open to students with prior credit in PHIL 110H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces logic with an emphasis on propositional logic. Topics include deductive and inductive reasoning, informal fallacies, validity, truth tables, translations, quantifiers, and proofs. This course is open to any student, but it may be of particular interest to philosophy, math, and computer science majors. UC CREDIT LIMITATION: Credit for PHIL 110 or PHIL 110H. C-ID PHIL-110.

PHIL 110H: Introduction to Logic (Honors)

Units: 3

Prerequisites: ACE 150, ENGL 50, or ESL 150; MATH 64, MATH 64S, or MATH 102; or eligibility determined by the English or math placement process.

Enrollment Limitation: Not open to students with prior credit in PHIL 110.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces logic with an emphasis on symbolic logic and is intended for highly motivated students who can benefit from greater depth and rigor. Topics include deductive and inductive reasoning, informal fallacies, validity, truth tables, translations, quantifiers, and proofs. The course introduces more advanced problems and proof methods, and it may be of particular interest to philosophy, math, and computer science majors. UC CREDIT LIMITATION: Credit for PHIL 110 or PHIL 110H. C-ID PHIL-110.

PHIL 221: Philosophy of Religion

Units: 3

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Advisory: PHIL 101 or PHIL 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course introduces the philosophical study of both religion and the central concepts found in Eastern and Western religious traditions, as well as traditions that fall outside the boundaries of such classical distinctions (e.g., Indigenous and African traditions). It encourages students to think rationally, critically, and independently about the beliefs of religious adherents. Topics include arguments for theism and atheism, the validity of religious experience, the problem(s) of evil, the meaning of karma, concepts of God and Ultimate Reality, the possibility of miracles, and the value of religion.

PHIL 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

PHIL 296: Topics in Philosophy

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Philosophy that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

PHIL 302: Bioethics

Units: 3

Prerequisites: ENGL 100 or ENGL 100H.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course examines the application of ethical theory to issues in biology and medicine through case studies and classical and contemporary readings in ethical theory and applied ethics. It explores major ethical theories, including utilitarianism, Kantian ethics, natural law theory, social contract theories, and feminist ethics, as they apply to contemporary issues in biology and medicine, such as cloning, transplantation, defining life and death, genetic testing and manipulation, the ethical conduct of research and experimentation, and the just distribution of scarce medical resources. This course is open only to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Physical Science

Physical science, the study of the nature and properties of energy and nonliving matter, is an interdisciplinary field that includes astronomy, geology, physics, and chemistry. Students take physical science courses to explore the discipline, satisfy general education requirements, and meet one of the science requirements for the liberal studies (K-5) teaching major.

Academic and Career Pathway: Math and Sciences

Contact Information

Chairs: Kristine

Arquero(Chemistry), Erika

Peters(Physical Sciences)

Dean: Michael Fino

<https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/physical-science/index.html>

Department: Chemistry and Physical Sciences**Office:** Building OC3600, 760.757.2121 x6924

Courses

PHSN 106: Introduction to Physical Science: Physics and Chemistry

Units: 3

Prerequisites: None

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces the non-scientist to the fundamental concepts of physics and chemistry. Physics topics include motion, force, work, energy, gravity, electricity, magnetism, light, and subatomic particles and forces. Chemistry topics include chemical and physical properties of elements and compounds, the periodic table, atomic theory and structure, chemical bonding, and nuclear structure and processes. This course also teaches students how to analyze and solve problems using critical thinking and the scientific method. UC CREDIT LIMITATION: No credit if taken after college course in chemistry or physics.

PHSN 108: Introduction to Climate Change

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in PHSN 108H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course explores the principles underlying the interdisciplinary and rapidly growing field of climate science and climate change. Topics include the Earth's climate system and climate history, the physics and chemistry of greenhouse gases, and evidence for climate change. The course investigates human influences on the climate system, including greenhouse gas emissions and potential impacts of climate change. It also considers various possible responses to climate change, including alternative energy production, policy responses, and adaptation. UC CREDIT LIMITATION: Credit for PHSN 108 or PHSN 108H.

PHSN 108H: Introduction to Climate Change (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in PHSN 108.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course offers highly motivated students an enriched opportunity to explore the principles underlying the interdisciplinary and rapidly growing field of climate science and climate change. Topics include the Earth's climate system and climate history, the physics and chemistry of greenhouse gases, and evidence for climate change. The course investigates human influences on the climate system, including greenhouse gas emissions and potential impacts of climate change. Students investigate and evaluate various possible responses to climate change, including alternative energy production, policy responses, and adaptation. UC CREDIT LIMITATION: Credit for PHSN 108 or PHSN 108H.

PHSN 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Physics

Physics is the scientific study of the basic forces of nature, including such topics as mechanics, heat, electricity, magnetism, waves, optics, quantum mechanics, and atomic and nuclear structure. Students take courses to prepare for a physics major, to fulfill general education requirements, and to meet prerequisites for related courses and programs, including engineering, science, and computer science. Career options for those with a bachelor's degree in physics include engineering, research, and teaching in universities, government, and private industry.

Academic and Career Pathway: Math and Sciences

Contact Information

Chair: Erika Peters(Physical Sciences)

Dean: Michael Fino
<https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/physics/index.html>

Department: Physical Sciences

Office: Building OC3600,
760.757.2121 x6924

Full-Time Faculty

Khang Nguyen
Erika Peters
Joe Salamon

Courses

PHYS 111: Introductory Physics I

Units: 4

Prerequisites: MATH 131 or MATH 131H.

Enrollment Limitation: Not open to students with prior credit in PHYS 111H, PHYS 151, or PHYS 151H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall

This first course of a two-semester physics sequence covers the properties of matter, mechanics, heat, and waves, including sound. It is intended for students majoring in pre-medicine, pre-dentistry, pre-optometry, and similar areas. UC CREDIT LIMITATION: Credit for either series PHYS 111 and PHYS 112 or PHYS 151/PHYS 151H, PHYS 152/PHYS 152H, and PHYS 253/PHYS 253H. C-ID PHYS-105, PHYS-100S (with PHYS 112).

PHYS 111H: Introductory Physics I (Honors)

Units: 4

Prerequisites: MATH 131 or MATH 131H.

Enrollment Limitation: Not open to students with prior credit in PHYS 111, PHYS 151, or PHYS 151H.

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall

This first course of a two-semester physics sequence covers the properties of matter, mechanics, heat, and waves, including sound. It is intended for students majoring in pre-medicine, pre-dentistry, pre-optometry, and similar areas. This honors course offers highly motivated students the opportunity to conduct self-directed research as well as independent exploration of laboratory equipment and software.

PHYS 112: Introductory Physics II

Units: 4

Prerequisites: PHYS 111 or PHYS 111H.

Enrollment Limitation: Not open to students with prior credit in PHYS 112H, PHYS 152,

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Spring

This second of a two-course physics sequence covers light, electricity, magnetism, and atomic physics. UC CREDIT LIMITATION: Credit for either series PHYS 111 and PHYS 112 or PHYS 151/PHYS 151H, PHYS 152/PHYS 152H, and PHYS 253/PHYS 253H. C-ID PHYS-110, PHYS-100S (with PHYS 111).

PHYS 112H: Introductory Physics II (Honors)

Units: 4

Prerequisites: PHYS 111 or PHYS 111H.

Enrollment Limitation: Not open to students with prior credit in PHYS 112, PHYS 152, PHYS 152H, PHYS 253, or PHYS 253H.

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Spring

This second of a two-course physics sequence covers light, electricity, magnetism, and atomic physics. This honors course offers highly motivated students the opportunity to conduct self-directed research as well as independent exploration of laboratory equipment and software.

PHYS 151: Principles of Physics I

Units: 4

Prerequisites: MATH 150 or MATH 150H.

Enrollment Limitation: Not open to students with prior credit in PHYS 151H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides a thorough understanding of the fundamental principles of physics in the area of mechanics and fluids. It is intended primarily for engineering, physics, mathematics, and science majors. UC CREDIT LIMITATION: Credit for either series PHYS 111 and PHYS 112 or PHYS 151/PHYS 151H, PHYS 152/PHYS 152H, and PHYS 253/PHYS 253H. C-ID PHYS-205 and PHYS-200S (with PHYS 152/PHYS 152H and PHYS 253/PHYS 253H).

PHYS 151H: Principles of Physics I (Honors)

Units: 4

Prerequisites: MATH 150 or MATH 150H.

Enrollment Limitation: Not open to students with prior credit in PHYS 151.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides a thorough understanding of the fundamental principles of physics in the area of mechanics and fluids. It is intended primarily for engineering, physics, mathematics, and science majors. This honors course offers highly motivated students the opportunity to conduct self-directed research as well as independent exploration of laboratory equipment and software. UC CREDIT LIMITATION: Credit for either series PHYS 111 and PHYS 112 or PHYS 151/PHYS 151H, PHYS 152/PHYS 152H, and PHYS 253/PHYS 253H. C-ID PHYS-205 and PHYS-200S (with PHYS 152/PHYS 152H and PHYS 253/PHYS 253H).

PHYS 152: Principles of Physics II

Units: 4

Prerequisites: MATH 155 or MATH 155H and PHYS 151 or PHYS 151H.

Enrollment Limitation: Concurrent enrollment in MATH 155 or MATH 155H if math prerequisite not met. Not open to students with prior credit in PHYS 152H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides a thorough understanding of the fundamental principles of physics in the areas of thermodynamics, electricity, electrical circuits, magnetism, and electromagnetic fields. It is intended for engineering, physics, mathematics, and science majors. UC CREDIT LIMITATION: Credit for either series PHYS 111 and PHYS 112 or PHYS 151/PHYS 151H, PHYS 152/PHYS 152H, and PHYS 253/PHYS 253H. C-ID PHYS-210 and PHYS-200S (with PHYS 151/PHYS 151H and PHYS 253/PHYS 253H).

PHYS 152H: Principles of Physics II (Honors)

Units: 4

Prerequisites: MATH 155 or MATH 155H and PHYS 151 or PHYS 151H.

Enrollment Limitation: Concurrent enrollment in MATH 155 or MATH 155H if math prerequisite not met. Not open to students with prior credit in PHYS 152.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides a thorough understanding of the fundamental principles of physics in the areas of thermodynamics, electricity, electrical circuits, magnetism, and electromagnetic fields. It is intended for engineering, physics, mathematics, and science majors. This honors course offers highly motivated students the opportunity to conduct self-directed research and independent exploration of laboratory equipment and software. UC CREDIT LIMITATION: Credit for either series PHYS 111 and PHYS 112 or PHYS 151/PHYS 151H, PHYS 152/PHYS 152H, and PHYS 253/PHYS 253H. C-ID PHYS-210 and PHYS-200S (with PHYS 151/PHYS 151H and PHYS 253/PHYS 253H).

PHYS 253: Principles of Physics III

Units: 4

Prerequisites: PHYS 152 or PHYS 152H.

Enrollment Limitation: Concurrent enrollment in PHYS 152 or PHYS 152H if prerequisite not met. Not open to students with prior credit in PHYS 253H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides a thorough understanding of the fundamental principles of physics in the areas of vibrations, waves, sound, optics, special relativity, quantum mechanics, and atomic and nuclear physics. It is intended for engineering, physics, mathematics, and science majors. UC CREDIT LIMITATION: Credit for either series PHYS 111 and PHYS 112 or PHYS 151/PHYS 151H, PHYS 152/PHYS 152H, and PHYS 253/PHYS 253H. C-ID PHYS-215 and PHYS-200S (with PHYS 151/PHYS 151H and PHYS 152/PHYS 152H).

PHYS 253H: Principles of Physics III (Honors)

Units: 4

Prerequisites: PHYS 152 or PHYS 152H.

Enrollment Limitation: Concurrent enrollment in PHYS 152 or PHYS 152H if prerequisite not met. Not open to students with prior credit in PHYS 253.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring

This course provides a thorough understanding of the fundamental principles of physics in the areas of vibrations, waves, sound, optics, special relativity, quantum mechanics, and atomic and nuclear physics. It is intended for engineering, physics, mathematics, and science majors. This honors course offers highly motivated students the opportunity to conduct self-directed research and independent exploration of laboratory equipment and software. UC CREDIT LIMITATION: Credit for either series PHYS 111 and PHYS 112 or PHYS 151/PHYS 151H, PHYS 152/PHYS 152H, and PHYS 253/PHYS 253H. C-ID PHYS-215 and PHYS-200S (with PHYS 151/PHYS 151H and PHYS 152/PHYS 152H).

PHYS 280: Introduction to Electronics

Units: 3

Prerequisites: MATH 150 or MATH 150H.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall or Spring

This combined lecture and lab course offers an introduction to the theory and design of electrical circuits. Topics include DC and AC circuit analysis, diodes, transistors, operational amplifiers, and digital circuits.

PHYS 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Political Science

Political science is the study of the processes, principles, and structure of government and political institutions. Students take courses to prepare for a political science major or to fulfill general education requirements. Graduates with a bachelor's degree in political science pursue careers in education; federal, state, and local government (in areas such as intelligence, foreign affairs, environmental protection); national, state, and local legislation; law; and marketing research.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Lynne Miller
Dean: Michael Fino
<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/political-science/index.html>

Department: Social Science
Office: Building OC3600,
 760.757.2121 x6924

Full-Time Faculty

John Phillips

Associate in Arts Degree

Law, Public Policy, and Society for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for an American Studies degree, an emphasis or option within an American Studies degree, or a degree considered similar, such as Public Administration, at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as an American Studies or Public Administration major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

*Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

Upon successful completion of this program, students will be able to

- ▶ demonstrate knowledge of basic concepts of American law and connect them to contemporary societal issues.
- ▶ transfer to a California State University baccalaureate program in American Studies, Public Administration or a related major.

Required Core (26-28 units):

Understanding the Law (select one course)		3
ADM 100	Introduction to the Administration of Justice **	
ADM 100H	Introduction to the Administration of Justice (Honors) **	
ADM 200	Concepts of Criminal Law **	
BUS 140	Legal Environment of Business	
BUS 140H	Legal Environment of Business (Honors)	
Ethics (choose one course)		3
PHIL 102	Contemporary Moral Problems **	
Oral Communication (choose one course)		3
COMM 101	Public Speaking **	
COMM 106	Group Communication **	
Written Communication (choose one course)		4
ENGL 100	Composition and Reading **	
ENGL 100H	Composition and Reading (Honors) **	
Critical Thinking (choose one course)		3-4
COMM 212	Argumentation **	
ENGL 202	Critical Thinking and Composition **	
ENGL 202H	Critical Thinking and Composition (Honors) **	
PHIL 110	Introduction to Logic **	
PHIL 110H	Introduction to Logic (Honors) **	
Quantitative Reasoning (choose one course)		3-4
BTEC 180	Biostatistics **	
BUS 204	Business Statistics **	
BUS 204H	Business Statistics (Honors) **	
MATH 103	Statistics **	
PSYC 104	Statistics for Behavioral Science **	
PSYC 104H	Statistics for Behavioral Science (Honors) **	
SOC 125	Introduction to Statistics in Sociology **	
U.S. History (choose one course)		3
HIST 110	United States History to 1877 **	
HIST 110H	United States History to 1877 (Honors) **	
HIST 111	United States History Since 1877 **	

HIST 111H	United States History Since 1877 (Honors) **	
Intro to American Government (choose one course)		4
PLSC 102	American Institutions and History **	
List A: Select two courses.*		6-7
ACCT 201	Financial Accounting	
or ACCT 201H	Financial Accounting (Honors)	
CSIT 120	Fundamentals of Computer Information Systems	
ECON 101	Principles of Economics: MACRO **	
ECON 102	Principles of Economics: MICRO **	
Total Units		32-35

* Students intending to transfer to San Diego State University in the Public Administration major should complete all courses in List A.

** Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement.

Associate in Arts Degree Political Science for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a political science degree or a degree considered similar to political science at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a political science major and to determine which CSU campuses are participating in this program.

- ▶ To complete the degree, students must fulfill the following requirements:
- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

Upon successful completion of this program, students will be able to

- ▶ articulate the fundamental concepts of major political ideologies such as Democracy, Anarchism, Nationalism, Marxism and Fascism, and assess the underlying social, cultural and economic factors.
- ▶ explain and assess the American legislative system of checks and balances.
- ▶ identify various instruments of foreign policy and evaluate their application to contemporary political issues.

Required courses:

Required Core

PLSC 102	American Institutions and History *	4
List A: Select three courses (9 units)		9

PLSC 101	Introduction to Political Science *	
or PLSC 101H	Introduction to Political Science (Honors)	
PLSC 103	Comparative Government *	
PLSC 150	Introduction to International Relations *	

List B: Select one statistics course and one other course (6-7 units)

Select one statistics course from the following (3-4 units):

BUS 204	Business Statistics *	
or BUS 204H	Business Statistics (Honors)	
BTEC 180	Biostatistics *	
MATH 103	Statistics *	
PSYC 104	Statistics for Behavioral Science *	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
SOC 125	Introduction to Statistics in Sociology *	

Select one course from the following (3 units):

ADM 100	Introduction to the Administration of Justice *	
or ADM 100H	Introduction to the Administration of Justice (Honors)	
ADM 200	Concepts of Criminal Law *	
ADM 270	Crime and Delinquency *	
ANTH 102	Cultural Anthropology *	
or ANTH 102H	Cultural Anthropology (Honors)	
BUS 140	Legal Environment of Business	
or BUS 140H	Legal Environment of Business (Honors)	
ECON 101	Principles of Economics: MACRO *	
ECON 102	Principles of Economics: MICRO *	
PHIL 102	Contemporary Moral Problems *	

Total Units **19-20**

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: The honors version of identified GE courses also satisfy a GE requirement.

Courses

PLSC 101: Introduction to Political Science

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in PLSC 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the field of political science and to politics itself. It covers government, the nation-state, and political ideologies that affect modern politics and society. In particular, this course examines the following ideologies from historical, social, and economic perspectives: Conservatism, Liberalism, Anarchism, Democracy, Capitalism, Marxism/Communism, and Fascism. UC CREDIT LIMITATION: Credit for PLSC 101 or PLSC 101H. C-ID POLS-150.

PLSC 101H: Introduction to Political Science (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in PLSC 101.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This honors course offers highly motivated students an advanced introduction to the field of political science and to politics itself. It covers government, the nation-state, and political ideologies that affect modern politics and society. In particular, this course examines the following ideologies from historical, social, and economic perspectives: Conservatism, Liberalism, Anarchism, Democracy, Capitalism, Marxism/Communism, and Fascism. As an honors course, it offers expanded analysis of lecture materials, increased dependence upon student participation on a daily basis, and the opportunity for students to conduct research in relevant areas of interest, and thus targets highly motivated students who are looking for a more challenging academic experience. UC CREDIT LIMITATION: Credit for PLSC 101 or PLSC 101H. C-ID POLS-150.

PLSC 102: American Institutions and History

Units: 4

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

Students study basic concepts in the political and historical traditions of America and California by analyzing national, state, and local political institutions from colonial times to the present. The course examines the evolution of concepts and ideas that are fundamental to our political culture. It emphasizes the concepts citizens should understand in order to vote intelligently and otherwise effectively participate in the political process. This course is designed specifically to satisfy the CSU History, Constitution and American Ideals requirement. C-ID POLS-110.

PLSC 103: Comparative Government

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course provides a comparative survey of selected foreign governments, including their political institutions, theories of government, and economic and social development. Countries surveyed include western and non-western democracies and communist nations or dictatorships. C-ID POLS-130.

PLSC 150: Introduction to International Relations

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the major explanations for international conflict, cooperation, and other important dynamics of global affairs. It also examines the relationships between selected countries and the resulting political, economic, and social consequences. The course emphasizes the analytical skills and techniques used by practitioners in this field. C-ID POLS-140.

PLSC 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Psychology

Psychology is the study of people through an examination of their thoughts, emotions, and behavior. MiraCosta's Psychology program has a biological and physiological emphasis. Students are introduced to the science of psychology, including systematic research and analysis. They learn how to follow the principles of the scientific method and how to write using American Psychological Association (APA) style. The psychology discipline provides the tools to gather

Areas of Study & Courses

data efficiently and skillfully and to examine the nature of human behavior. Students may take courses to prepare for a psychology major or to fulfill general education requirements.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Krista Byrd
Dean: Michael Fino
<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/psychology/index.html>

Department: Psychology
Office: Building OC3100,
760.795.6871

Full-Time Faculty

Krista Byrd
Steve Eso
Lisa Fast

Robert Kelley
David McField

Associate Degrees

Associate in Arts Degree

Psychology

The Psychology program offers lower-division preparation for students who want to pursue a bachelor's degree. The primary focus of the program is to prepare students for transfer to four-year psychology programs. With a bachelor's degree, career options include business, state and local government agencies, and health care. A graduate degree is required for counseling, marriage and family therapy, clinical social work, school psychology, clinical psychology.

Note: Many CSUs and UCs have unique admissions and preparation-for-the-major requirements that are specific to their institutions. Psychology transfer students should also consider the Liberal Arts with an Area of Emphasis in Social and Behavioral Sciences degree. For further information and assistance, students should consult the website, www.assist.org, the individual university catalog and a MiraCosta College counselor.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to develop a study on a psychological topic, which includes a literature review, forming a hypothesis, creating a research design appropriate to the hypothesis, consideration of ethical issues, choosing appropriate statistics for data analysis, and summarizing research findings, using APA style.

Required courses:

PSYC 101	General Psychology	3
or PSYC 101H	General Psychology (Honors)	
PSYC 104	Statistics for Behavioral Science	4
or PSYC 104H	Statistics for Behavioral Science (Honors)	
PSYC 205	Research Methods in Psychology	3
List A (select two courses)		6
PSYC 100	Psychology of Personal Growth	
PSYC 103	Social Psychology	

or SOC 103	Social Psychology
PSYC 114	Abnormal Psychology
PSYC 115	Human Sexuality
PSYC 121	Human Development
or PSYC 121H	Human Development (Honors)
PSYC 145	Psychology/Sociology of the Family
or SOC 145	Psychology/Sociology of the Family
PSYC 170	Psychology of Aging: Adult Development and Aging
PSYC 211	Learning and Behavior Modification
PSYC 260	Physiological Psychology
List B (select one course)	3-4
Any course in List A not already used.	
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)
BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)
BIO 220	Human Physiology
ENGL 100	Composition and Reading
ENGL 100H	Composition and Reading (Honors)
ENGL 202	Critical Thinking and Composition
ENGL 202H	Critical Thinking and Composition (Honors)
GERO 101	Introduction to Aging
SOC 101	Introduction to Sociology
SOC 101H	Introduction to Sociology (Honors)

Total Units

19-20

Associate in Arts Degree

Psychology for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a psychology degree, an emphasis or option within a psychology degree, or a degree considered similar to psychology at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a non-participating CSU campus or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a psychology major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses required in the major with a "C" or "P" or better.
- Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- Obtain a minimum CSU-transferable GPA of 2.0.
- Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to develop a study on a psychological topic, which includes a literature review, forming a hypothesis, creating a research design appropriate to the hypothesis, consideration of ethical issues, choosing appropriate statistics for data analysis, and summarizing research findings, using APA style.

Required Core: (10 units)

PSYC 101	General Psychology *	**	3
or PSYC 101H	General Psychology (Honors)		
PSYC 104	Statistics for Behavioral Science *	**	4
or PSYC 104H	Statistics for Behavioral Science (Honors)		
PSYC 205	Research Methods in Psychology *	**	3
List A: 3-4 units. Select one course.			3-4
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)	*	
BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	*	
PSYC 260	Physiological Psychology *		
List B: 3 units. Select one course.			3
Any List A course not selected above.			
CHLD 113	Child and Adolescent Growth and Development *		
PSYC 100	Psychology of Personal Growth *		
PSYC 121	Human Development *		
or PSYC 121H	Human Development (Honors)		
List C: 3 units. Select one course.			3
Any List A or B course not selected above.			
PSYC/SOC 103	Social Psychology *		
PSYC 105	Critical Thinking in Psychology *		
PSYC 114	Abnormal Psychology *		
PSYC 115	Human Sexuality *		
PSYC 125	Psychology of Women *		
PSYC/SOC 145	Psychology/Sociology of the Family		
PSYC 170	Psychology of Aging: Adult Development and Aging *		
Total Units			19-20

* Course satisfies a general education requirement on the CSU-GE or IGETC general education pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement.

** Course is required major preparation at CSU San Marcos (CSUSM). Students planning to transfer to CSUSM are advised to select these courses to complete this degree. For more information on this major at CSUSM, please refer to the articulation agreement at assist.org.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Human Development

Human development is the study of people's lives from conception to death. The Human Development program offers lower-division preparation for students who want to pursue a bachelor's degree. The primary focus of the program is to prepare students for transfer to four-year human development programs. With a bachelor's degree, career options include working with people from all ages, ethnic, cultural, and/or socioeconomic backgrounds in areas such as health, education, community and state (public and private) agencies, business, and religious and secular organizations.

Note: Many CSUs and UCs have unique admissions and preparation-for-the-major requirements that are specific to their institutions. For greater flexibility to meet preparation-for-major, human development transfer students should also consider the Liberal Arts with an Area of Emphasis in Social and Behavioral Sciences degree. For further information and assistance, students should consult www.assist.org, the individual university catalog, and a MiraCosta College counselor.

To earn this associate degree, students must fulfill the following requirements:

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 67)).
- Obtain a minimum GPA of 2.0.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to apply knowledge of developmental theories, norms, and cultural influences to demonstrate a critical understanding of a person's development.

Required courses:

ANTH 102	Cultural Anthropology	3
or ANTH 102H	Cultural Anthropology (Honors)	
PSYC 101	General Psychology	3
or PSYC 101H	General Psychology (Honors)	
PSYC 104	Statistics for Behavioral Science	4
or PSYC 104H	Statistics for Behavioral Science (Honors)	
PSYC 121	Human Development	3
or PSYC 121H	Human Development (Honors)	
PSYC 205	Research Methods in Psychology	3
Required Electives: Select one course.		3-4
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)	
BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	

BIO 220	Human Physiology
CHLD 109	Child Behavior and Guidance
CHLD 112	Child Growth and Development
CHLD 113	Child and Adolescent Growth and Development
CHLD 200	Observation & Assessment in Early Childhood
CHLD 210	Child, Family, and Community
CHLD 240	Children with Special Learning Needs
ENGL 100	Composition and Reading
ENGL 100H	Composition and Reading (Honors)
ENGL 202	Critical Thinking and Composition
ENGL 202H	Critical Thinking and Composition (Honors)
GERO 101	Introduction to Aging
GERO 130	Caregiving: Techniques for Working with the Frail Elderly
GERO 250	Intergenerational Issues
HEAL 101	Principles of Health
PSYC 100	Psychology of Personal Growth
PSYC/SOC 103	Social Psychology
PSYC 105	Critical Thinking in Psychology
PSYC 114	Abnormal Psychology
PSYC 115	Human Sexuality
PSYC 125	Psychology of Women
PSYC/SOC 145	Psychology/Sociology of the Family
PSYC 170	Psychology of Aging: Adult Development and Aging
PSYC 260	Physiological Psychology
SOC 101	Introduction to Sociology
SOC 101H	Introduction to Sociology (Honors)

Total Units **19-20**

Certificates

Certificate of Proficiency

Research Fundamentals

This certificate emphasizes the skills needed to interpret research data and conduct basic research in accordance with the procedures and methods of behavioral science. The certificate is designed for individuals interested in learning research skills and for those who need assistance in improving these skills for their work.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to construct a testable hypothesis and examine it using appropriate research methodologies.

Required courses:		
LIBR 101	Introduction to Library Research	1
PSYC 104	Statistics for Behavioral Science	4
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOC 125	Introduction to Statistics in Sociology	
Select three units from the following:		3
ADM 100	Introduction to the Administration of Justice	
or ADM 100H	Introduction to the Administration of Justice (Honors)	
PSYC 101	General Psychology	
or PSYC 101H	General Psychology (Honors)	
SOC 101	Introduction to Sociology	
or SOC 101H	Introduction to Sociology (Honors)	
Select three elective units from the following:		3
LIBR 201	Media & Information Literacy	
or LIBR 201H	Media & Information Literacy (Honors)	
PSYC 205	Research Methods in Psychology	
SOC 205	Introduction to Research Methods in Sociology	

Total Units **11**

Certificate of Proficiency

Volunteer Services

This certificate offers students core courses in behavioral science combined with at least one behavioral science course that offers service learning. The academic courses provide a fundamental understanding of human behavior. A course that includes service learning requires volunteering in the community combined with written reflection on the volunteer experience. This certificate emphasizes working directly with people in need within the service-learning tradition, and it integrates academics with practice. This certificate can enrich the service of experienced volunteers, guide those interested in volunteering for the first time and transfer students interested in teaching and social service agency work, and provide early experience in public service. Students need to contact the Service Learning Office for information about instructors in behavioral science who offer service learning. In addition, students must provide verification of their volunteer participation through the Service Learning Office to earn the certificate.

Program Student Learning Outcome Statement

- Upon completion of this program, the student will be able to explain the importance of volunteering in the community from a behavioral sciences perspective.

Required courses:

SOC 101	Introduction to Sociology	3
or SOC 101H	Introduction to Sociology (Honors)	
SOC 102	Contemporary Social Problems	3
Select at least 5 elective units from the following:		5
CHLD 210	Child, Family, and Community	
PSYC/SOC 103	Social Psychology	
PSYC/SOC 145	Psychology/Sociology of the Family	
Total Units		11

Courses**PSYC 100: Psychology of Personal Growth**

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces the principles of human behavior with a combined emphasis on the scientific method, personal growth, and the application of psychology to everyday life. Topics include adjustment, personality, friendship and intimate relationships, human sexuality, the self, psychological disorders and psychotherapy, and health psychology. The course emphasizes the scientific basis of psychological knowledge and the application of such knowledge to achieve personal growth. UC CREDIT LIMITATION: No credit if taken after PSYC 101 or PSYC 101H. C-ID PSY-115.

PSYC 101: General Psychology

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in PSYC 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This introductory course focuses on the major theories, concepts, methods, and research findings in psychology. Topics include the biological basis of behavior, perception, cognition, consciousness, learning, memory, emotion, motivation, development, personality, social psychology, and psychological disorders. The course will also explore therapeutic approaches and the use of applied psychology in contemporary society. UC CREDIT LIMITATION: Credit for PSYC 101 or PSYC 101H. C-ID PSY-110.

PSYC 101H: General Psychology (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in PSYC 101.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This introductory course focuses on the major theories, concepts, methods, and research findings in psychology. Topics include the biological basis of behavior, perception, cognition, consciousness, learning, memory, emotion, motivation, development, personality, social psychology, and psychological disorders. The course will also explore therapeutic approaches and the use of applied psychology in contemporary society. As an honors course, it provides an enhanced experience for motivated students through advanced course work and reading materials, enriched analysis and discussion of psychological topics, special attention to science in psychology, and refinement of critical thinking skills. UC CREDIT LIMITATION: Credit for PSYC 101 or PSYC 101H. C-ID PSY-110.

PSYC 103: Social Psychology

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in SOC 103.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

Social psychology examines the influence that society, contexts, groups, and others have on individuals. This course emphasizes the sociological and psychological factors in socialization, self-concept, interpersonal relationships, and group dynamics. The course pays special attention to social cognition, attitudes, social influence, language, and cross-cultural differences in social psychology. C-ID PSY-170.

PSYC 104: Statistics for Behavioral Science

Units: 4

Prerequisites: MATH 28, MATH 30, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in: PSYC 104H, SOC 104, or SOC 104H.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces statistical methods for analyzing data in the behavioral sciences. Topics include basic research design; descriptive statistics, probability and sampling distributions; statistical inference and power; linear correlation and regression; t-test and one-way analysis of variance; chi-square. Students use appropriate technology (e.g., calculators and SPSS) to analyze real-world data and report results using American Psychological Association style. UC CREDIT LIMITATION: Credit for BTEC 180/BTEC 180H, BUS 204/BUS 204H, MATH 103/MATH 103S, PSYC 104/PSYC 104H, or SOC 125. Some CSU campuses may also impose this credit limitation. C-ID SOCI-125.

PSYC 104H: Statistics for Behavioral Science (Honors)

Units: 4

Prerequisites: MATH 28, MATH 30, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in: PSYC 104, SOC 104, or SOC 104H.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall or Spring

This course introduces statistical methods for analyzing data in the behavioral sciences. As an honors course, it offers an enriched experience for highly motivated students through a pro-seminar format and more in-depth coverage of course topics. Topics include research design; descriptive statistics, probability, and sampling distributions; statistical inference and advanced power analysis; linear correlation and regression; t-test and one-way analysis of variance; chi-square. Students use appropriate technology (e.g., calculators and SPSS) to analyze real-world data and report results using American Psychological Association style. UC CREDIT LIMITATION: Credit for BTEC 180/ BTEC 180H, BUS 204/BUS 204H, MATH 103/MATH 103S, PSYC 104/ PSYC 104H, or SOC 125. Some CSU campuses may also impose this credit limitation. C-ID SOC1-125.

PSYC 105: Critical Thinking in Psychology

Units: 3

Prerequisites: ENGL 100 or ENGL 100H.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on the development of critical thinking skills related to psychology. Students learn how to evaluate arguments, use basic skills of logic and reasoning, identify common errors of human thinking that impede critical thinking, analyze scientifically based claims within psychology, and identify techniques of persuasion. The course emphasizes the application of critical thinking skills to analyzing the writings of others, writing effective arguments, and understanding contemporary controversies in psychology.

PSYC 114: Abnormal Psychology

Units: 3

Prerequisites: None

Advisory: PSYC 100, PSYC 101, or PSYC 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces psychological disorders and their diagnosis, causes, and treatments. Topics include anxiety, mood, personality, eating, sexual, gender identity, psychotic, and substance-related disorders. Students examine the causes and treatments of disorders based on scientific research. C-ID PSY-120.

PSYC 115: Human Sexuality

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course examines human sexuality from three perspectives—the biological, the psychological, and the social—and is applicable to students of all majors. The biological topics include sexual anatomy, the sexual response cycle, sexual behaviors, sexual dysfunctions, pregnancy, birth control, and prenatal development. The psychological topics include attraction, communication, intimacy, and love. The social topics include gender, the law, morality, sexual educational, and ethical issues. C-ID PSY-130

PSYC 121: Human Development

Units: 3

Prerequisites: None

Enrollment Limitation: not open to students with prior credit in PSYC 121H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course examines the psychological and physical development of the individual from conception through childhood, adolescence, and maturity. It covers major theories of intellectual, physical, emotional, and social development and explores cultural differences in development. The course emphasizes the interdependence of various periods of the individual's life and considers scientific methods, behavioral disorders, death, and spirituality. UC CREDIT LIMITATION: Credit for CHLD 112, CHLD 113, PSYC 121, or PSYC 121H. C-ID PSY-180.

PSYC 121H: Human Development (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: not open to students with prior credit in PSYC 121.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Spring

This course examines the psychological and physical development of the individual from conception through childhood, adolescence, and maturity. It covers major theories of intellectual, physical, emotional, and social development and explores cultural differences in development. The course emphasizes the interdependence of various periods of the individual's life and considers scientific methods, behavioral disorders, death, and spirituality. As an honors course, it provides an enhanced experience for motivated students through advanced coursework and reading materials, enriched analysis and discussion of human development topics, special attention to science in psychology, and refinement of critical thinking skills. C-ID PSY -180.

PSYC 125: Psychology of Women

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring odd years

This course examines psychological and feminist theories of women's development across the lifespan. It includes biological and cultural factors that shape and define women's daily experience. Students study the influences of sexism, socialization, sexuality, personal relationships, health, education, employment, aging, and violence against women in relationship to their impact on women's self-concept, attitudes, relationships, achievements, and overall well-being. The course also explores cross-cultural assessment of gender and the current state of women's rights within the world.

PSYC 145: Psychology/Sociology of the Family

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in SOC 145.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course examines the family as a social institution and applies sociological and psychological theories and concepts to couples, intimate relationships, marriage, and families. These theories and concepts provide frameworks for examining love, sexuality, and commitment and for identifying problems and adjustments for couples and family relationships. The course also studies changing models of the family, historical perspectives, cross-cultural comparisons, and the influences of changes in contemporary society affecting family life. Topics include partner selection, becoming parents, communication, family and work, family crises, divorce, aging, and issues linked to social class and living in a diverse society. C-ID SOCI-130.

PSYC 170: Psychology of Aging: Adult Development and Aging

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring even years

This course explores normal and abnormal characteristics of aging on physical, cognitive, personality, and mental health processes as they occur in late adulthood. Topics include marriage, family and friends, intergenerational issues, and intimacy and sexuality. It probes late-adult transitions, such as retirement and widowhood, and end-of-life issues.

PSYC 205: Research Methods in Psychology

Units: 3

Prerequisites: PSYC 101 or PSYC 101H; and PSYC 104 or PSYC 104H; and ENGL 100 or ENGL 100H.

Enrollment Limitation: Concurrent enrollment in PSYC 104 or PSYC 104H for students with MATH 103 credit.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course emphasizes an appreciation of the scientific method, the development of research skills, knowledge of research ethics, and the evaluation of scientific research. It focuses on research design, experimental procedures, descriptive methods, instrumentation, and the collection, analysis, interpretation, and reporting of research data. Students conduct library research, design and implement research projects using appropriate methodologies and controls, analyze and interpret data using the SPSS statistical computer program, and write research reports using the APA format. In laboratory sessions, students conduct experimental and non-experimental research in a variety of areas of psychology. Students with MATH 103 may take PSYC 104 or PSYC 104H concurrently with Research Methods. C-ID PSY-200.

PSYC 211: Learning and Behavior Modification

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course surveys the principles of learning and the research applications of behavior modification. Topics include the historical origins of learning theory; classical and operant conditioning; cognitive aspects of complex learning tasks; and biological factors in learning. The course also covers the principles of behavior modification, including reinforcement and punishment, schedules of reinforcement, and applications of behavior modification in an educational environment.

PSYC 260: Physiological Psychology

Units: 3

Prerequisites: PSYC 101 or PSYC 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces the biological basis of behavior. Students gain an appreciation of how the human brain creates a perception of the physical world, develop the ability to critically evaluate research in biological psychology, and understand the biological mechanisms that underlie psychological phenomena. Topics include research in biological psychology, anatomy of the nervous system, development of the nervous system, neurons and action potential, communication at the synapse, effects of psychoactive drugs, sensory systems, motivation and emotion, sleep/wake cycles, learning and memory, lateralization and language, and the biological basis of psychopathology. C-ID PSY-150.

PSYC 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

PSYC 296: Topics in Psychology

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Psychology that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

PSYC 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Occupational Cooperative Work Experience Education is intended for students employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Reading

Reading courses are designed to build and enhance college-level skills in reading and critical thinking. Students take READ 100 to satisfy MiraCosta College's reading competency requirement and to apply toward the Liberal Arts with an Area of Emphasis in Arts and Humanities or Liberal Arts with an Area of Emphasis in Social and Behavioral Sciences associate degrees. (See Liberal Arts (p. 275) for specific degree requirements.)

Contact Information

Chair: Maria Figueroa (Letters, Transfer)
<https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/reading/index.html>

Department: Letters, Transfer
Office: Administration Building, San Elijo Campus, 760.634.7879

Full-Time Faculty

Luke Lambert

Courses

READ 100: Critical Reading and Thinking

Units: 3

Prerequisites: None

Advisory: ACE 150, ESL 150, ENGL 50, or eligibility determined by the English placement process.

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course is designed to improve students' skills and techniques in critical reading, critical thinking, analysis, and logical reasoning in academic texts. Topics include advanced critical reading, logical reasoning and thinking, argument validation, analysis of extended argument, examination of valid and invalid inferences, and problem solving skills.

READ 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Religious Studies

The Religious Studies discipline focuses on the analysis and comparison of religious traditions using methods from a variety of disciplines. Students take religious studies courses to prepare for the major or to fulfill general education requirements in humanities or ethnic studies. With a bachelor's degree in religious studies, students pursue careers in law, business, public and political service, and education. A religious studies major also prepares students for graduate studies in the discipline and for professional seminary and divinity school.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Isabel Luengo**Dean:** Antonio Alarcon

<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/religious-studies/index.html>

Department: Philosophy and Religious Studies

Office: Administration Building, San Elijo Campus, 760.634.7879

Full-Time Faculty

Jeffrey Murico

Courses

RELG 101: World Religions

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in RELG 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the religious studies discipline. It provides an overview of the history, beliefs, and practices of both Eastern and Western religions, including Indigenous traditions of North America, Zoroastrianism, Judaism, Christianity, Islam, Hinduism, Buddhism, and Sikhism. It explores the differences and similarities of the central tenets in the world's major religions and analyzes the close relationship among religion, society, and culture. It evaluates multidisciplinary methodological approaches to the study of religion and religions. UC CREDIT LIMITATION: Credit for RELG 101 or RELG 101H.

RELG 101H: World Religions (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in RELG 101.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This honors course encourages highly motivated students to engage the discipline of religious studies through the lens of world religions. It asks students to critically investigate the historical, theological, and ritualistic aspects of various contemporary religious traditions, including indigenous traditions of North America, Zoroastrianism, Judaism, Christianity, Islam, Hinduism, Buddhism, and Sikhism. Additionally, students evaluate a variety of multidisciplinary methodological approaches to the study of religion and religions in order to evaluate the intersectional relationship among religion, society, and culture. UC CREDIT LIMITATION: Credit for RELG 101 or RELG 101H.

RELG 103: Religion in America

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on the interaction between religion(s), culture, and society in the United States, beginning with the pre-Columbian indigenous traditions of North America and ending with an overview of the diversity of the contemporary American religious landscape. Students explore broad social movements, particular historical developments, theological responses, and the ongoing relationship between religion and politics in the US. Topics include uniquely American religions (e.g., Mormonism, Jehovah's Witness, Scientology), American religious movements (e.g., Great Awakening, Social Gospel Movement, Religious Right), and shifting religious tensions post-9/11.

RELG 105: Eastern Religions

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course provides an interdisciplinary overview of East and South Asian religions, including Hinduism, Buddhism, Taoism, Confucianism, Shinto, and Sikhism. It emphasizes the different religions' philosophical foundations and their practical application in Asian societies.

RELG 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

RELG 296: Topics in Religious Studies

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Religious Studies that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

Social Work and Human Services

Social work and human services is an applied behavioral science that emphasizes the application of behavioral science principles in a variety of cultural contexts. Students take courses in social work and human services to acquire the basic skill set required for entry-level social worker positions and to prepare for transfer to complete a baccalaureate degree in social work

and human services or a similar major. As a profession, social work and human services focuses on methods for helping people from many different social groups improve the quality of their lives.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Sean Davis

Dean: Michael Fino

[https://www.miracosta.edu/](https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/social-work-and-human-services/index.html)

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[certificate-programs/social-](https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/social-work-and-human-services/index.html)

[and-behavioral-sciences/](https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/social-work-and-human-services/index.html)

[social-work-and-human-](https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/social-work-and-human-services/index.html)

[services/index.html](https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/social-work-and-human-services/index.html)

Department: Sociology

Office: Building OC3100,

760.795.6871

Full-Time Faculty

Sean Davis

Associate Degree

Associate in Arts Degree

Social Work and Human Services for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a social work and human services degree, an emphasis or option within a social work and human services degree, or a degree considered similar to social work and human services at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a social work and human services major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B) or IGETC (Plan C)* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

Upon completion of this program, students will be:

- ▶ prepared for entry-level positions in the field of social work.
- ▶ able to analyze the skills and knowledge necessary for a career in social work.
- ▶ Identify and implement industry-recognized effective practices for human service delivery in culturally-relevant and culturally-sustaining ways.

Required courses:		
SWHS 110	Introduction to Social Work and Human Services	3
SWHS 120A	Social Work and Human Services Seminar	1
SWHS 120B	Social Work and Human Services Fieldwork	2
BIO 103	Introductory Biology: Animal Diversity *	3
or BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	
ECON 101	Principles of Economics: MACRO *	3
or ECON 102	Principles of Economics: MICRO	
PSYC 101	General Psychology *	3
or PSYC 101H	General Psychology (Honors)	
SOC 125	Introduction to Statistics in Sociology *	4
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
SOC 101	Introduction to Sociology *	3
or SOC 101H	Introduction to Sociology (Honors)	
List A: Select two courses.		6
ADM 100	Introduction to the Administration of Justice *	
or ADM 100H	Introduction to the Administration of Justice (Honors)	
ANTH 102	Cultural Anthropology *	
or ANTH 102H	Cultural Anthropology (Honors)	
CHLD 113	Child and Adolescent Growth and Development *	
CHLD 210	Child, Family, and Community *	
COMM 215	Intercultural Communication *	
PSYC 121	Human Development *	
or PSYC 121H	Human Development (Honors)	
SOC 102	Contemporary Social Problems *	
SOC 207	Race and Ethnic Relations *	
or ETHN 207	Race and Ethnic Relations	
Total Units		28

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: Every course on this degree except SWHS 110 and SWHS 120 satisfies a GE requirement.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their

transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Courses

SWHS 110: Introduction to Social Work and Human Services

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces the profession of social work and the field of social welfare through historical and contemporary lenses. It includes an overview of U.S. societal institutions that structure the provision of social services. The course emphasizes current service delivery systems, social welfare policies and procedures, contemporary social problems, and culturally responsive professional skills of social workers and human service workers within social welfare institutions and programs.

SWHS 120A: Social Work and Human Services Seminar

Units: 1

Prerequisites: SWHS 110

Corequisite: SWHS 120B

Enrollment Limitation: Not open to students with prior credit in SWHS 120.

Acceptable for Credit: CSU

Lecture 1 hour.

Course Typically Offered: Spring

This course provides students who are participating in a supervised field experience in a community organization, agency, or institution with a weekly class meeting that provides the academic element to the experiential course offering. The course emphasizes the application of concepts gained in the prerequisite or corequisite course to the field experience. It is designed to provide students with an opportunity to develop skills that would facilitate gaining employment in the human services field.

SWHS 120B: Social Work and Human Services Fieldwork

Units: 2

Prerequisites: SWHS 110

Corequisite: SWHS 120A

Enrollment Limitation: Not open to students with prior credit in SWHS 120.

Acceptable for Credit: CSU

Laboratory 6 hours.

Course Typically Offered: Spring

This course offers students a supervised field experience in a community organization, agency, or institution, allowing them to apply knowledge and learn new skills outside of the classroom environment. The course is designed to provide students with an opportunity to observe, practice, and develop skills that would facilitate gaining employment in the human services field.

Sociology

Sociology is the study of human social behavior, groups, and how environments influence behavior. Sociologists focus on the origins, organization, institutions, and developments of

Areas of Study & Courses

society. Students take courses to prepare for a sociology major or to fulfill general education requirements. Career options include social work, human services, law enforcement, legal professions, business, and teaching.

Academic and Career Pathway: Social and Behavioral Sciences

Contact Information

Chair: Sean Davis
Dean: Michael Fino
<https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/sociology/index.html>

Department: Sociology
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Full-Time Faculty

Sean Davis
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Associate Degree

Associate in Arts Degree

Sociology for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a sociology degree, an emphasis or option within a sociology degree, or a degree considered similar to sociology at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a sociology major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcome Statement

Upon completion of this program the student will be able to:

- ▶ explain how an individual's life chances are impacted by various social forces
- ▶ describe the role of institutions in the life chances of individuals
- ▶ deconstruct the intersections of race, class, gender, and sexuality in society
- ▶ analyze research data and communicate research findings.

Required Core: Complete 10 units

SOC 101	Introduction to Sociology [*] , ^{**}	3
or SOC 101H	Introduction to Sociology (Honors)	
SOC 102	Contemporary Social Problems [*]	3
SOC 125	Introduction to Statistics in Sociology [*] , ^{**}	4
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
List A: 6 units. Select two courses.		6
SOC/PSYC 103	Social Psychology [*]	
SOC 130	Introduction to Gender Studies [*]	
SOC/PSYC 145	Psychology/Sociology of the Family [*]	
SOC 205	Introduction to Research Methods in Sociology	
SOC 207	Race and Ethnic Relations [*]	
List B: 3 units. Select one course.		3
Any course from List A not already used.		
SOC 105	Introduction to Justice Studies [*]	
SOC 120	Introduction to Women's Studies [*]	
SOC 140	Introduction to LGBT Studies [*]	
SOC 230	Introduction to Chicana/o Studies [*]	
SOC 232	Critical Issues in Chicana and Latina Studies [*]	
SOC 240	Introduction to Black Studies [*]	
SOC 250	Introduction to Pacific Studies [*]	
Total Units		19

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the statistics and honors courses listed are also GE courses.

** Course is required major preparation at CSU San Marcos (CSUSM). Students planning to transfer to CSUSM are advised to select these courses to complete this degree. For more information on this major at CSUSM, please refer to the articulation agreement at assist.org.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Social Justice Studies for Transfer: African American Studies

Students completing this associate degree will have completed lower-division major preparation requirements for an African American Studies degree, an emphasis or option within a social justice/African American Studies degree, or a degree considered similar to African American Studies at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta College counselor for further information regarding the most efficient pathway to transfer as an African American Studies major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B) or IGETC (Plan C)* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

*Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcomes Statement

Upon successful completion of this program, students will be able to:

- ▶ assess the impact of historical and cultural African American experiences in the United States and examine how those influences shape the contemporary African American experience.

Required courses:

SOC 207	Race and Ethnic Relations *	3
or SOC 240	Introduction to Black Studies	
SOC 120	Introduction to Women's Studies *	3
or SOC 130	Introduction to Gender Studies	
or SOC 140	Introduction to LGBT Studies	
SOC 105	Introduction to Justice Studies *	3
List A:		16
DRAM 222	Introduction to Black Theater *	
HIST 145	African American History to 1877 *	
or HIST 145H	African American History to 1877 (Honors)	
HIST 146	African American History Since 1877 *	

or HIST 146H African American History Since 1877 (Honors)

LIT 122 Introduction to African American Literature *

SOC 125 Introduction to Statistics in Sociology *

Total Units

25

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the courses listed are GE courses.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Social Justice Studies for Transfer: Chicano Studies

Students completing this associate degree will have completed lower-division major preparation requirements for a Chicano/a studies degree, an emphasis or option within a social justice/Chicano/a studies degree, or a degree considered similar to Chicano/a studies at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a Chicano Studies studies major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

*Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcomes Statement

Upon successful completion of this program, students will be able to:

- ▶ assess the impact of historical and cultural Chicano/x and Latinx experiences in the United States and examine how

those influences shape the contemporary Chicano/x and Latinx experience.

Required courses:		
SOC 207	Race and Ethnic Relations *	3
SOC 230	Introduction to Chicana/o Studies *	3
SOC 232	Critical Issues in Chicana and Latina Studies *	3
List A: Select 3 courses.		
HIST 141	Mexican American History Through 1877 *	9
or HIST 141H	Mexican American History Through 1877 (Honors)	
HIST 142	Mexican American History Since 1877 *	9
or HIST 142H	Mexican American History Since 1877 (Honors)	
LIT 100	Introduction to Chicano Chicana Literature *	
Total Hours		18

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the honors courses listed are also GE courses.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Social Justice Studies for Transfer: Gender Studies

Students completing this associate degree will have completed lower-division major preparation requirements for a gender studies degree, an emphasis or option within a social justice/gender studies degree, or a degree considered similar to gender studies at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a social justice/gender studies major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.

- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcomes Statement

Upon successful completion of this program, students will be able to:

- ▶ articulate gender dynamics in face-to-face interaction, group settings, and large-scale social institutions.
- ▶ describe the ways in which gender interacts and intersects with race, class, sexualities, ethnicity, age, ability, and other identities to help shape a person's experiences in society.
- ▶ articulate the historical and contemporary issues pertaining to the social status of LGBTQA + identified people.

Required courses:		
SOC 130	Introduction to Gender Studies *	3
SOC 140	Introduction to LGBT Studies *	3
SOC 207	Race and Ethnic Relations *	3
List A:		
SOC 101	Introduction to Sociology *	3
or SOC 101H	Introduction to Sociology (Honors)	
SOC 105	Introduction to Justice Studies *	3
PSYC 104	Statistics for Behavioral Science *	4
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOC 125	Introduction to Statistics in Sociology	
Total Units		19

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the courses listed are GE courses.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Social Justice Studies for Transfer: LGBTQ Studies

Students completing this associate degree will have completed lower-division major preparation requirements for a LGBTQ studies degree, an emphasis or option within a social justice/LGBTQ studies degree, or a degree considered similar to LGBTQ studies at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a social justice/LGBTQ studies

major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area 1C: Oral Communication to meet CSU admission requirements.

Program Student Learning Outcomes Statement

Upon successful completion of this program, students will be able to:

- ▶ articulate gender dynamics in face-to-face interaction, group settings, and large-scale social institutions.
- ▶ describe the ways in which gender interacts and intersects with race, class, sexualities, ethnicity, age, ability, and other identities to help shape a person's experiences in society.

Required courses:

SOC 130	Introduction to Gender Studies *	3
SOC 140	Introduction to LGBT Studies *	3
SOC 207	Race and Ethnic Relations *	3

List A:

SOC 101	Introduction to Sociology *	3
or SOC 101H	Introduction to Sociology (Honors)	
SOC 105	Introduction to Justice Studies *	3
PSYC 104	Statistics for Behavioral Science *	4
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOC 125	Introduction to Statistics in Sociology	

Total Units **19**

* Course satisfies a general education requirement on the CSU-GE or IGETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the courses listed are GE courses.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Certificates

Certificate of Proficiency

Research Fundamentals

The certificate in Research Fundamentals emphasizes the skills needed to interpret research data and conduct basic research in accordance with the procedures and methods of behavioral science. The certificate is designed for individuals interested in

learning research skills and for those who need assistance in improving these skills for their work.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to construct a testable hypothesis and examine it using appropriate research methodologies.

Required courses:

PSYC 104	Statistics for Behavioral Science	4
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOC 125	Introduction to Statistics in Sociology	

LIBR 101	Introduction to Library Research	1

Select at least three elective units from the following: **3**

PSYC 101	General Psychology	
or PSYC 101H	General Psychology (Honors)	

SOC 101	Introduction to Sociology	
or SOC 101H	Introduction to Sociology (Honors)	

ADM 100	Introduction to the Administration of Justice	
or ADM 100H	Introduction to the Administration of Justice (Honors)	

PSYC 205	Research Methods in Psychology	
SOC 205	Introduction to Research Methods in Sociology	

Select one course from the following electives: **3**

PSYC 205	Research Methods in Psychology	
SOC 205	Introduction to Research Methods in Sociology	

LIBR 201	Media & Information Literacy	
or LIBR 201H	Media & Information Literacy (Honors)	

Total Units **11**

Certificate of Proficiency

Volunteer Services

This certificate offers students core courses in behavioral science combined with at least one behavioral science course that offers service learning. The academic courses provide a fundamental understanding of human behavior. A course that includes service learning requires volunteering in the community combined with written reflection on the volunteer experience. This certificate emphasizes working directly with people in need within the service-learning tradition, and it integrates academics with practice. This certificate can enrich the service of experienced volunteers, guide those interested in volunteering for the first time and transfer students interested in teaching and social service agency work, and provide early experience in public service. Students need to contact the Service Learning Office for information about instructors in behavioral science who offer service learning. In addition, students must provide verification of their volunteer participation through the Service Learning Office to earn the certificate.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to explain the importance of volunteering in the community from a behavioral sciences perspective.

Required courses:

SOC 101	Introduction to Sociology	3

or SOC 101H	Introduction to Sociology (Honors)	
SOC 102	Contemporary Social Problems	3
Select at least 5 elective units from the following:		5
CHLD 210	Child, Family, and Community	
PSYC/SOC 103	Social Psychology	
PSYC/SOC 145	Psychology/Sociology of the Family	
Total Units		11

Courses

SOC 101: Introduction to Sociology

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in SOC 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course offers a thorough study of human society and social phenomena. It is guided by sociology's basic principle that people's lives are affected not only by individual characteristics but also by their place in the social world. The course emphasizes the systematic connections among human relationships, social institutions, and social organizations, which allow students to evaluate themselves, and the world around them, more analytically and critically. UC CREDIT LIMITATION: Credit for SOC 101 or SOC 101H. C-ID SOCI-110.

SOC 101H: Introduction to Sociology (Honors)

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in SOC 101.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course offers a thorough study of human society and social phenomena. It is guided by sociology's basic principle that people's lives are affected not only by individual characteristics, but also by their place in the social world. The course emphasizes the systematic connections among human relationships, social institutions, and social organizations, which allow students to evaluate themselves, and the world around them, more analytically and critically. As an honors course, it provides an enhanced experience for motivated students through exigent course work and readings, enriched and in-depth analysis of social issues, and application of higher-level critical thinking skills through the process of conducting research in the field of sociology. UC CREDIT LIMITATION: Credit for SOC 101 or SOC 101H. C-ID SOCI-110.

SOC 102: Contemporary Social Problems

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course analyzes social problems in a diverse society. It emphasizes economic, racial, and gender inequality, crime, poverty, the family, education, health care, and other issues pertaining to society's major social issues. Students evaluate the causes, consequences, and solutions to the problems of our society. C-ID SOCI-115.

SOC 103: Social Psychology

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in PSYC 103.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

Social psychology examines the influence that society, contexts, groups, and others have on individuals. This course emphasizes the sociological and psychological factors in socialization, self-concept, interpersonal relationships, and group dynamics. The course pays special attention to social cognition, attitudes, social influence, language, and cross-cultural differences in social psychology. C-ID PSY-170.

SOC 105: Introduction to Justice Studies

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces the interdisciplinary field of justice studies as a lens to examine social justice movements. Critical race theories and social conflict theories are examined to provide a basis for a better understanding of the socio-economic, cultural and political conditions that create and maintain inequalities which affect marginalized, disadvantaged, and oppressed social groups in the United States. It explores these social, economic, political, and criminal justice issues by means of sociological, philosophical, and legal perspectives and methodologies. Students critically assess the obstacles and opportunities central to the pursuit of justice in the United States and abroad. UC CREDIT LIMITATION: Credit for ADM 100/ADM 100H or SOC 105. C-ID SOCI-160.

SOC 120: Introduction to Women's Studies

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall

This course introduces students to women's studies through sociological theories, concepts, and sociological research. The course examines the status and roles of women in social institutions, social organizations, and social classes. It compares and contrasts similarities and differences in women's experiences based on race and ethnic groups, different cultures, and subcultures - with particular considerations of culturally specific notions of femininities. It is guided by sociology's emphases on cultural relativism, diversity, and the effects of inequality. Topics include institutional discrimination, gender socialization, sexuality, varied cultural influences, feminism, and regional, national, and global perspectives on women's rights. C-ID SJS-120.

SOC 125: Introduction to Statistics in Sociology

Units: 4

Prerequisites: MATH 28, MATH 30, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in SOC 104 or SOC 104H.

Acceptable for Credit: CSU, UC

Lecture 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers the application of statistical methods to interpret, analyze, and describe quantitative sociological data. Topics include descriptive and inferential statistics; probability topics, populations and samples, the normal distribution, the central limit theorem; confidence intervals; hypothesis testing; comparing two means; F distribution and ANOVA; correlation and linear regression; and chi-square. Students use statistical software (SPSS) to analyze data and report results using American Sociological Association (ASA) style. UC CREDIT LIMITATION: Credit for BTEC 180/BTEC 180H, BUS 204/BUS 204H, MATH 103/MATH 103S, PSYC 104/PSYC 104H, or SOC 125. C-ID SOCI-125.

SOC 130: Introduction to Gender Studies

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course examines gender construction and gender inequities in contemporary society using both a foundation of relevant theories and concepts from sociology and an interdisciplinary lens, including historical, anthropological, economic, political, queer, feminist, and cultural studies perspectives. The course also addresses the development of contemporary gender topics, applications of theory, and discussions related to men's studies, queer studies, and the LGBTQIA community. C-ID SOCI-140.

SOC 140: Introduction to LGBT Studies

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This interdisciplinary course introduces students to concepts, theories, and research findings through a sociological perspective in the study of lesbian, gay, bisexual, transgender (LGBT) issues with particular attention to the operation of social institutions. Topics include politics, policy and governance of LGBT issues, social movements and resistance, biological and environmental impacts on identity, equity, equality and inclusion, privilege and disadvantage, queer activism; diverse experiences of sexuality; and representations in literature, art, and popular culture. The class emphasizes ways in which sexual identities intersect with and shape other categories of identity, including class, race and ethnicity, and social class. C-ID SJS-130.

SOC 145: Psychology/Sociology of the Family

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in PSYC 145.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course examines the family as a social institution and applies sociological and psychological theories and concepts to couples, intimate relationships, marriage, and families. These theories and concepts provide frameworks for examining love, sexuality, and commitment and for identifying problems and adjustments for couples and family relationships. The course also studies changing models of the family, historical perspectives, cross-cultural comparisons, and the influences of changes in contemporary society affecting family life. Topics include partner selection, becoming parents, communication, family and work, family crises, divorce, aging, and issues linked to social class and living in a diverse society. C-ID SOCI-130.

SOC 205: Introduction to Research Methods in Sociology

Units: 3

Prerequisites: SOC 101 or SOC 101H; and PSYC 104, PSYC 104H, or SOC 125; and ENGL 100 or ENGL 100H.

Enrollment Limitation: Concurrent enrollment in PSYC 104, PSYC 104H, or SOC 125 for students with MATH 103 credit.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours.

Course Typically Offered: Spring

This course introduces the fundamental methods of research and how sociologists use them to examine, investigate, and think critically on topics related to the discipline. It emphasizes an appreciation of the scientific method, the development of research skills, knowledge of research ethics, and the evaluation of scientific research. Students conduct library research, design and implement research projects using appropriate methodologies and controls, analyze and interpret data using a statistical computer program, and write research reports using APA format. Students with MATH 103 may take PSYC 104 or SOC 125 concurrently with this course. C-ID SOCI-120.

SOC 207: Race and Ethnic Relations

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ETHN 207.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course provides a systematic examination of how race and ethnic relations are affected by the concepts of power, prejudice, ethnocentrism, and racism. It connects historical oppression to current racial and ethnic dynamics in the U.S. The course also studies the institutions and other factors involved in establishing, sustaining, and changing systems of racial and ethnic inequality and how they are connected to class, gender, sexuality, citizenship status, and other intersections. C-ID SOCI-150, SJS-110.

SOC 230: Introduction to Chicana/o Studies

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in CCS 230.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course is an introductory survey of the field of Chicano studies and the socio-historical and contemporary factors that influence contemporary Chicana/o and Chicanx/Latinx cultures including their pre-Hispanic roots in the Americas. The cross-disciplinary approach examines applicable methods and theories from sciences and humanities to analyze the lived experiences of Chicanos/as and Chicanxs/Latinxs. This course is designed for those wishing to gain general knowledge of the Chicana/o and Chicanx/Latinx experience.

SOC 232: Critical Issues in Chicana and Latina Studies

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in CCS 232.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course examines critical themes in Chicana and Latina feminist scholarship and the lived experiences of Chicana and other Latina women in American society. It applies an interdisciplinary approach to examine power within and resistance to the family, religion, education, economics, culture, social conditions, health, and other areas.

SOC 240: Introduction to Black Studies

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in BLST 240.

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course introduces students to the social and academic origins of Africans in America and around the world. By employing a sociological approach, students gain a broader and deeper understanding of the Black experience. This course is intended for students who want to acquire fundamental knowledge related to areas of study within the Black Studies discipline, various cultures of Africa, and the African Diaspora.

SOC 250: Introduction to Pacific Studies

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours.

Course Typically Offered: Spring

This course introduces students to the geography, histories, cultures, and societies of the Pacific Islands (Polynesia, Melanesia, Micronesia, and Australia). Topics include traditional and contemporary religious practices, languages, arts, and athletics in the Pacific. The course emphasizes Pacific Islander perspectives and experiences as it examines the effects of colonization, resistance and rights movements, and current challenges to the health and well-being of Pacific Island communities.

SOC 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

SOC 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Occupational Cooperative Work Experience Education is intended for students employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Spanish

The International Languages Department offers courses that provide the foundation for Spanish language study. They also satisfy either the humanities requirement for general education or the proficiency requirement in an international language when required for transfer. A bachelor's degree in an international language such as Spanish can lead to a career in advertising, broadcasting, consulting, translating, teaching, international service, public relations, social work, and sales. *Note: Students educated in a non-English speaking country through high school or equivalent will generally not earn lower-division transfer credit in their language at most universities. Students who might be affected by this rule should consult a*

counselor and/or the International Languages Department Chair before enrolling in their language courses.

Academic and Career Pathway: Languages, Communication, and Humanities

Contact Information

Chair: Cristina Toharia

Dean: Jonathan Fohrman

[https://www.miracosta.edu/](https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/spanish/index.html)

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Department: International Languages

Office: Building OC2700,
760.795.6844

Full-Time Faculty

David Detwiler

Pilar Hernández

Lilia Vidal

Rosa E. Viramontes

Associate Degrees

Associate in Arts Degree

Spanish for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a Spanish major at a participating California State University (CSU) campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a Spanish major and to determine which CSU campuses are participating in this program.

To complete the degree, students must fulfill the following requirements:

- ▶ Complete a minimum of 60 CSU-transferable semester units.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the CSU-GE (Plan B (p. 76)) or IGETC (Plan C (p. 82))* general education pattern.
- ▶ Obtain a minimum CSU-transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing IGETC may be awarded the degree, but they must complete a course from Area IC: Oral Communication to meet CSU admission requirements.

Program Learning Outcome Statement

- ▶ Upon completion of this program, the student will be able to effectively communicate in the Spanish language, demonstrating an understanding of cultural differences

as related to personal and cultural topics as well as social issues.

Required courses:		
SPAN 101	Elementary Spanish (First Semester) *, **	4
SPAN 102	Elementary Spanish (Second Semester) *	4
SPAN 201	Intermediate Spanish (Third Semester) *	4
or SPAN 221	Spanish for Native Speakers	
SPAN 202	Intermediate Spanish (Fourth Semester) *	4
or SPAN 222	Spanish for Native Speakers II	
List A: 3-4 units. Select one course.		3-4
Students placing out of SPAN 101, SPAN 102, SPAN 201, or SPAN 202 by departmental approval, prerequisite satisfaction, or Advanced Placement scores shall use additional courses from List A to earn a total of 18 semester units in the major (Title 5, section 55063).		
ANTH 102	Cultural Anthropology *	
ANTH 102H	Cultural Anthropology (Honors) *	
COMM 215	Intercultural Communication *	
FREN 101	Elementary French (First Semester) *	
FREN 102	Elementary French (Second Semester) *	
GEOG 102	Cultural Geography *	
HIST 141	Mexican American History Through 1877 *	
HIST 141H	Mexican American History Through 1877 (Honors) *	
HIST 142	Mexican American History Since 1877 *	
HIST 142H	Mexican American History Since 1877 (Honors) *	
ITAL 101	Elementary Italian (First Semester) *	
ITAL 102	Elementary Italian (Second Semester) *	
ITAL 103	Elementary Italian for Spanish Speakers (First Semester) *	
SOC 207	Race and Ethnic Relations *	
ETHN 207	Race and Ethnic Relations	
SOC 230	Introduction to Chicana/o Studies *	
SPAN 205	Hispanic Film, Literature, and Composition *	
Total Units		19-20

* Course satisfies a general education requirement on the CSU-GE or IGETC general education pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement.

** Students who have completed two years of high school Spanish or who demonstrate proficiency do not need to enroll in SPAN 101 and can start with SPAN 102. Units awarded for AP exams will be based on the minimum semester admission units for all California State University

(CSU) campuses as determined by the CSU and referenced in the AP chart in the MiraCosta catalog.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Certificate

Certificate of Achievement Spanish

This certificate provides students with a solid introduction to Spanish language communicative skills and culture. Completion of the certificate benefits students who are interested in learning about and effectively interacting with Hispanic culture and society. Students take the required language courses in the given sequence.

Program Student Learning Outcome Statement

Upon successful completion of this program, students will be able to:

- communicate in the Spanish language at the Intermediate Mid to Intermediate High level of ACTFL (American Council on the Teaching of Foreign Languages).
- demonstrate awareness and appreciation of cultural differences within Spanish speaking communities.

Foundational Courses

SPAN 101	Elementary Spanish (First Semester) *	4
SPAN 102	Elementary Spanish (Second Semester) *	4
SPAN 201	Intermediate Spanish (Third Semester) *	4
or SPAN 221	Spanish for Native Speakers	

Students who place out of SPAN 101, SPAN 102, or SPAN 201 by prerequisite satisfaction, or Advanced Placement scores, must use additional courses from List A to earn a minimum of 16 semester units in the certificate.

Advanced Courses

SPAN 202	Intermediate Spanish (Fourth Semester) *	4
or SPAN 222	Spanish for Native Speakers II	

List A:

Students taking a course(s) from this list to meet the 16 unit requirement of the certificate must take at least one Spanish course:

SPAN 205	Hispanic Film, Literature, and Composition
HIST 141	Mexican American History Through 1877
or HIST 141H	Mexican American History Through 1877 (Honors)
HIST 142	Mexican American History Since 1877

or HIST 142H	Mexican American History Since 1877 (Honors)

Total Units**16**

* Units for these courses may be earned through Credit by Exam.

Courses

SPAN 101: Elementary Spanish (First Semester)

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in SPAN 102, SPAN 200, SPAN 201, or SPAN 202.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This introductory course develops Spanish language acquisition through listening, speaking, reading, and writing. It covers basic Spanish pronunciation, vocabulary, and grammar. It also explores the history, geography, and customs of the Spanish-speaking world. This course corresponds to the first two years of high school Spanish. C-ID SPAN-100.

SPAN 102: Elementary Spanish (Second Semester)

Units: 4

Prerequisites: SPAN 101 or two years of high school Spanish with a "C" or better.

Enrollment Limitation: Not open to students with prior credit in SPAN 200, SPAN 201, or SPAN 202.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course continues to develop Spanish language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in SPAN 101, and it develops the student's ability to engage in casual conversation, express opinions, and make suggestions in Spanish. The course also provides for increased awareness of the Spanish-speaking world's history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the third year of high school Spanish. C-ID SPAN-110.

SPAN 201: Intermediate Spanish (Third Semester)

Units: 4

Prerequisites: SPAN 102 or three years of high school Spanish with a "C" or better.

Enrollment Limitation: Not open to students with prior credit in SPAN 200 or SPAN 202.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course continues to develop Spanish language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in SPAN 101 and SPAN 102, and it develops the student's ability to engage in casual conversation, express opinions, and make suggestions in Spanish. The course also provides for increased awareness of the Spanish-speaking world's history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the fourth year of high school Spanish. UC CREDIT LIMITATION: Credit for SPAN 201 or SPAN 200. C-ID SPAN-200.

SPAN 202: Intermediate Spanish (Fourth Semester)

Units: 4

Prerequisites: SPAN 200 or SPAN 201 or four years of high school Spanish with a "C" or better.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring

This course continues to develop Spanish language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in SPAN 201. It also develops the student's ability to express opinions and make recommendations in Spanish-language debates and discussions. The course focuses on increasing awareness of the Spanish-speaking world's history, geography, and customs, including its socio-political practices and cultural artifacts, through extensive reading and writing assignments as well as oral presentations. C-ID SPAN-210.

SPAN 205: Hispanic Film, Literature, and Composition

Units: 3

Prerequisites: SPAN 200 or SPAN 202 or equivalent.

Acceptable for Credit: CSU, UC

Lecture 2.50 hours, laboratory 1.50 hours.

Course Typically Offered: Spring even years

This introductory survey course examines Hispanic film and literary genres, including poetry, the essay, and narrative prose. Students complete written assignments and presentations (or discussions) based on Spanish-language films and assigned readings. The course helps students develop, structure, and write essays in Spanish. It also prepares students for upper-division Spanish courses.

SPAN 221: Spanish for Native Speakers

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in SPAN 200, SPAN 201, or SPAN 203.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This intensive course prepares native Spanish speakers with little or no formal training in Spanish for more advanced courses. It addresses listening comprehension, speaking, reading, and writing while emphasizing the improvement of reading and writing skills. Students also learn about regional variations in standard Spanish, Spanglish and code-switching, and the relationship between language and cultural identity. (Formerly SPAN 200 and SPAN 203) UC CREDIT LIMITATION: Credit for SPAN 221 or SPAN 201. C-ID SPAN-220.

SPAN 222: Spanish for Native Speakers II

Units: 4

Prerequisites: SPAN 221

Enrollment Limitation: Not open to students with prior credit in SPAN 202.

Acceptable for Credit: CSU

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This continuation of SPAN 221 prepares native Spanish speakers with little or no formal training in Spanish for more advanced courses. It develops the student's ability to express opinions and make recommendations in Spanish-language debates and discussions. It addresses listening comprehension, speaking, reading, and writing while emphasizing the improvement of reading and writing skills. Students also learn about regional variations in standard Spanish, Spanglish and code-switching, and the relationship between language and cultural identity. C-ID SPAN-230.

SPAN 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

This course provides students the opportunity to apply the theories and techniques of their discipline in an internship position in a professional setting under the instruction of a faculty-mentor and site supervisor. It introduces students to aspects of the roles and responsibilities of professionals employed in the field of study. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students must develop new learning objectives and/or intern at a new site upon each repetition. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

SPAN 296: Topics in Spanish

Units: 1-6

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours.

Lecture 4 hours.

Lecture 5 hours.

Lecture 6 hours.

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Spanish that are not included in regular course offerings. Each Topics course is announced, described, and given its own title and 296 number designation in the class schedule.

SPAN 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

Occupational Cooperative Work Experience Education is intended for students employed in a job directly related to their major. It allows such students the opportunity to apply the theories and skills of their discipline to their position and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Work Experience Education

Cooperative Work Experience Education combines work experience with college instruction. This program is organized to provide students with new, expanded, and practical learning opportunities on the job so they may achieve the knowledge, skills, and abilities needed for career success. In addition to the general work experience course (WKEX 233), occupational work experience courses are offered in all career education disciplines (see courses numbered 299 in career education disciplines).

Contact Information

Chair: Donna Davis

Dean: Benjamin Gamboa

www.miracosta.edu/

instruction/careerservices/

forstudents-get-an-internship-or-coop.html#

Department: Career Studies & Services

Office: Building OC4700,
760.795.6772

Full-Time Faculty

Donna Davis

Courses

WKEX 233: General Cooperative Work Experience

Units: 1-3

Prerequisites: None

Corequisite: Must be employed and complete 60 non-paid or 75 paid hours per unit.

Enrollment Limitation: May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Laboratory 13.24 hours.

Course Typically Offered: To be arranged

General Cooperative Work Experience is intended for students who are employed in a job not directly related to their major. It allows such students the opportunity to explore various work environments and to undertake new responsibilities and learn new skills at work. Topics include goal-setting, employability skills development, and examination of the world of work as it relates to the student's career plans. Students may not earn more than 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance.

Continuing Education

Noncredit Programs

MiraCosta College provides students the opportunity to earn a high school diploma as well as the noncredit certificates of completion and certificates of competency listed in the table below.

The awarding of a **certificate of completion** means a student has completed a noncredit education program of noncredit courses that leads to improved employability or job opportunities and prepares them to progress in a career path or to undertake degree-applicable or nondegree-applicable credit courses.

The awarding of a **certificate of competency** means a student enrolled in a noncredit educational program of noncredit courses has demonstrated achievement of a set of competencies that prepares them to progress in a career path or to undertake degree-applicable or nondegree-applicable credit courses.

Major Area	Certificate of Completion	Certificate of Competency	Diploma
Adult High School			🎓
Basic Education for Academic or Workforce Preparation		✳	
High School Equivalency Preparation		✳	
General Noncredit			
Basic Computer Skills	★		
English Fundamentals - Grammar		✳	
English Fundamentals - Reading		✳	
English Fundamentals - Writing		✳	
Noncredit English as a Second Language			
Advanced Noncredit ESL		✳	
Beginning Noncredit ESL		✳	
Intermediate Noncredit ESL		✳	
Short-Term Vocational			
Affordable Housing Management	★		
Computer Applications - Microsoft Excel	★		
Computer Applications - Microsoft Word	★		
Google Apps	★		
Horticulture Basics	★		
Office Clerk	★		
Teacher's Aide Training	★		

Adult High School

Noncredit Adult High School

MiraCosta College provides classes for adults who wish to obtain their high school diplomas. Some classes are also appropriate for individuals who wish to increase skills in preparation for college coursework, employment or advancement in the workplace, or personal growth. Classes are held at the Community Learning Center at 1831 Mission Avenue in Oceanside and are open to adults 18 years of age or older. Individuals who are under 18 years of age who can benefit from instruction may be allowed to enroll.

Any student enrolled in a day high school (regular or continuation) must meet the following criteria in order to take classes in MiraCosta's Adult High School: they must be a credit-deficient student, 16 years old or older, who has attended at least five semesters of high school. Day high school students must also present a Concurrent Enrollment Permit signed by their day high school principal, counselor, and parent. An individual under the age of 18 who is not currently enrolled in a day high school (regular or continuation) may be allowed to enroll with a Minor's Permit signed by a parent or guardian.

The Concurrent Enrollment Permit and Minor's Permit are available at high school counseling offices, the Oceanside and San Elijo Admissions and Records Offices, and the Community Learning Center as well as online at Adult High School.

Note: Students enrolled in this program cannot receive federal financial aid.

Accreditation: The MiraCosta College Adult High School is accredited by the Accrediting Commission for Schools, Western Association of Schools and Colleges.

Western Association of Schools and Colleges

Accrediting Commission for Schools

533 Airport Blvd., Suite 200, Burlingame, CA 94010

Phone: 650.696.1060

Tuition: Courses offered in this program are provided tuition-free.

Hours Per Class/Credits Earned: Each adult high school course includes 48 to 54 in-class instructional hours plus 48 to 54 outside-of-class hours of laboratory or study time. Students receive five high school credits for each successfully completed class.

Adult High School Terms: Classes are offered in different formats and at a variety of times in order to meet students' varying needs. The regular school year has four 8-week terms plus a 6-week summer intersession.

Counseling and Evaluation: Counselors evaluate a student's standing upon their admission to the Adult High School, and they help the student plan a program to meet graduation requirements. (See Sources of Credit below.) Counselors are available throughout each term to assist students in the Adult

High School, college, and career planning as well as job searches.

Sources of Credit: Credit from the following sources may be applied toward a high school diploma through the college's Office of Instructional Services:

1. Successful completion of MiraCosta College adult high school, specified noncredit, or specified credit courses.
2. Transfer credit from other accredited secondary schools, colleges, and universities.
3. High school correspondence courses from accredited institutions.
4. Training completed during military service.

Note: A veteran or service person may be granted credit for courses completed in service schools or for ratings earned while in service as recommended in "A Guide to the Evaluation of Educational Experiences in the Armed Services" issued by the American Council on Education.

5. Work achievement having educational value.

Note: Elective credits may be granted on the basis of verified work achievement resulting in knowledge or skills comparable to those acquired in a secondary school class. In some cases, an achievement test may be required in addition to verification.

The granting of such credit is based upon the following basic principles:

- ▶ Credit for work achievement after the age of 18 may be granted toward graduation requirements.
- ▶ Credit will be granted on the basis of the length of full-time employment (10 elective credits per year or 5 credits for 6 months). No other divisions will be made to account for odd months above 12. No credit will be granted for work achievement in excess of 12 months if there is no change in the type of work performed. Exceptions may be made if the type of work is progressively more difficult, justifying a division into beginning and advanced courses.
- ▶ A person must be employed for at least one year with the same firm before work achievement may be considered for credit, and they must spend at least 6 months at each type of work for which credit is requested. For example, if a person were employed by the same firm as a machinist for 9 months and a draftsperson for 5 months, they would be eligible to apply for five work achievement elective credits as a machinist, but they would not be eligible to receive credit for the work as a draftsperson.
- ▶ Credit may be granted only for vocational experience in which wages or salary was received. A person who is self-employed and thereby earning a livelihood may be regarded as employed with pay.

6. Vocational training.

- ▶ Five elective credits will be granted for every 48 hours of vocational training. A certificate of completion stating the number of course hours must be submitted.

The granting of credits does not constitute satisfaction of any of the competency requirements. In addition, no more than

40 elective credits will be granted for military training or ratings and/or work achievement.

Demonstration of Proficiency

Students must demonstrate proficiency in English and mathematics. Upon entrance into the program, students' skill levels will be assessed and remediation provided as needed. Proficiency may be demonstrated by successful completion of specified courses or approved performance levels on a variety of standardized assessments.

Scholarship and Attendance

Satisfactory progress must be demonstrated by satisfactory achievement (scholarship) and attendance. More than six hours of absence from class may result in the student being dropped from the class.

Course Repetition

Credit may not be earned through repetition of a course for which credit has previously been granted unless specifically stated in the course description. (Note: All HSENG and HSMTH courses may be repeated one time each for credit.)

Residency Requirement

Students must earn at least 20 credits in residence at MiraCosta College.

Diploma Conferred

A high school diploma is conferred upon completion of the diploma requirements.

Contact Information

Chair: Angela Senigaglia
Dean: John Makevich
<https://www.miracosta.edu/academics/continuing-education/adult-high-school/index.html>

Department: Adult High School
Office: Community Learning Center, 1831 Mission Avenue, Oceanside, CA 92058, 760.795.8710

Full-Time Faculty

Julie Cord
 Erica Duran
 Angela Senigaglia
 Steve Wezniak

Adult High School Diploma

MiraCosta College's Adult High School prepares adults for higher education and increased employability in a supportive, challenging, and accessible environment that respects and honors diversity. Upon entrance into the program, each student's previous coursework, skill levels, and academic and/or professional goals are determined in order to provide an individualized plan for goal attainment. Students must earn a total of 160 credits, with at least 20 credits in residence.

Program Student Learning Outcome Statement

Upon completion of this program, students will

- ▶ obtain an awareness of, and preparation for, higher education.
- ▶ acquire improved workplace skills for employability.
- ▶ demonstrate improved self-efficacy.

- ▶ model a sensitivity, to and awareness of, diverse perspectives.

Diploma Requirements

English *	30
HSENG 15	English Grammar 1
HSENG 16	English Grammar 2 **
HSENG 17	Basic Skills: Reading and Study Strategies
HSENG 21	English 1
HSENG 22	English 2
HSENG 23	English 3
HSENG 25	English 4 **
HSENG 40	Information Literacy & College Success
Natural Sciences (must include both life and physical sciences)	20
HSSCI 11	Physical Science 1 - Chemistry
HSSCI 12	Physical Science 2 - Physics
HSSCI 21	Life Science 1A - Cell Biology
HSSCI 22	Life Science 2 - Human Anatomy and Physiology
HSSCI 23	Life Science 1B - Animal Biology
HSSCI 41	Physical Science 3 - Environmental Science
HSSCI 51	Life Science 3 - Introduction to Biotechnology
Mathematics *	30
HSMTH 11	Basic Skills Math 1
HSMTH 12	Basic Skills Math 2
HSMTH 13	Basic Skills Math 3
HSMTH 20	Algebra Essentials 1
HSMTH 21	Algebra Essentials 2 ***
Social and Behavioral Sciences	30
HSAGT 10	American Government
HSECN 10	Economics
HSUSH 11	United States History 1
HSUSH 12	United States History 2
HSWHG 11	World History and Geography 1
HSWHG 12	World History and Geography 2
Humanities	10
HSIFA 11	Introduction to Fine Arts 1 - The History and Development of Theatre and Dance
HSIFA 12	Introduction to Fine Arts 2 - The History and Development of Art and Music
HSIFA 13	Beginning Film and Digital Media Production
HSIFA 14	Introduction to Fine Arts 3 - The History of Film
Electives	40

Students may earn elective credits in a variety of ways, not just by completing the following courses, and should work directly with a counselor to determine all eligible activities.

HSWFP 11	Applied Computer Skills
or NCWFP 11	Applied Computer Skills
NCABE 90	Adult Basic Education: Reading
NCABE 94	Adult Basic Education: Writing
NCENG 30	Sentence Crafting
NCESL 40	English as a Second Language, Level 6
NCESL 45	English as a Second Language, Level 7
NCESL 49	Grammar for Non-Native Speakers of English
NCESL 53	Advanced Grammar for Writing for Non-Native Speakers of English
NCESL 55	Introduction to Academic Writing for Students from Multilingual Backgrounds
NCESL 57	Introduction to College Composition for Students from Multilingual Backgrounds
NCESL 62A	Workplace English as a Second Language (Intermediate)
NCESL 62C	Bridge to College and Career ESL (Advanced)
NCESL 82	Computers and Digital Literacy (CDL) for ESL Students (Intermediate/Advanced Level)
Total Credits Required:	160

- * All HSENG and HSMTH courses may be repeated one time for credit.
- ** Students must successfully complete HSENG 16 and HSENG 25 with a "C" or better, or the equivalent, to meet the English proficiency required for the high school diploma.
- *** Students must successfully earn 5 credits in HSMTH 21 or the equivalent to meet the mathematics proficiency required for the high school diploma.

Certificates

Certificate of Competency

Basic Education for Academic or Workforce Preparation

This certificate is designed to help students review foundation skills in reading, writing, grammar, and mathematics. It demonstrates achievement in a set of proficiencies that help students prepare for their next educational or career-related goal. Students earn this certificate by successfully completing a combination of three non-credit courses that must include one noncredit mathematics course and two noncredit English courses.

Program Student Learning Outcome Statement

Upon completion of this program, students will

- ▶ obtain an awareness of, and preparation for, higher education.
- ▶ acquire improved workplace skills for employability.

Core English Courses

Students are required to take at least one course from the following list of core English courses.

HSENG 17	Basic Skills: Reading and Study Strategies
HSENG 21	English 1
HSENG 22	English 2
HSENG 23	English 3
HSENG 25	English 4

Core Math Courses

Students are required to take at least one course from the following list of core math courses.

HSMTH 11	Basic Skills Math 1
HSMTH 12	Basic Skills Math 2
HSMTH 13	Basic Skills Math 3
HSMTH 20	Algebra Essentials 1
HSMTH 21	Algebra Essentials 2

Elective Courses

Students are required to take at least one course from the following list of elective courses.

HSWFP 11	Applied Computer Skills
HSENG 15	English Grammar 1
HSENG 16	English Grammar 2
HSENG 40	Information Literacy & College Success
NCVOC 43	Introduction to Career Education
NCNUR 50	Introduction to Healthcare and Careers

Total Courses Required: 3

Certificate of Competency

High School Equivalency Preparation

This certificate is for students who have completed coursework in preparation for a high school equivalency exam. In addition to the exam prep course, students will have successfully completed subject-specific courses that provide a more comprehensive review of the English, math, or computer skills needed for academic, professional, and/or personal success.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to earn a passing score on all components of a high school equivalency exam.

Core Preparation Courses

Students must earn a passing grade in at least one of the following courses:

NCENG 17	Basic Skills: Reading and Study Strategies
NCENG 21	The Single Paragraph
NCENG 22	Basic Composition: The Five Paragraph Essay
NCENG 23	Intermediate Composition: The Argument Essay
NCENG 25	Advanced Composition: The Research Essay
NCMTH 11	Basic Skills Math 1

NCMTH 12 Basic Skills Math 2

NCMTH 13 Basic Skills Math 3

NCMTH 20 Algebra Essentials 1

NCMTH 21 Algebra Essentials 2

NCWFP 11 Applied Computer Skills

Capstone Course

Students must earn a passing grade in the following capstone course:

NCABE 92 High School Equivalency Preparation

Total Courses Required: 2

Courses

HSAGT 10: American Government

High School Credits: 5

Prerequisites: None

Advisory: Students are advised to take HSENG 25, HSUSH 11, and HSUSH 12 before taking this course and HSENG 40 before or concurrently with this course.

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the institutions of American government. Topics include the principles and moral values of American government, the rights and obligations of democratic citizens, the fundamental values and principles of civil society, the roles of the three branches of government, landmark Supreme Court interpretations of the Constitution, elective offices, powers and procedures of government, and comparison of American government to other systems of government in the world today. This course satisfies the American government requirement for graduation.

HSECN 10: Economics

High School Credits: 5

Prerequisites: None

Advisory: Students are advised to take HSENG 25, HSUSH 11, HSUSH 12, HSWHG 11, and HSWHG 12 before taking this course and HSENG 40 before or concurrently with this course.

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the basic economic principles of microeconomics and macroeconomics. Topics include international economics, comparative economic systems, measurement, and methods. This course satisfies the economics requirement for graduation.

HSENG 15: English Grammar 1

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course provides a review of basic English grammar skills, such as parts of speech, including nouns, verbs, adjectives, and adverbs, and basic punctuation. This course is the first in a series of grammar courses that assist emerging writers with a precollegiate review of these skills. (May be repeated once.)

HSENG 16: English Grammar 2

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course provides a review of advanced English grammar skills, such as sentence structure, including fragments, run-ons, and misplaced modifiers, as well as other conventions of Standard American English. This course is the second in a series of grammar courses that assist emerging writers with a precollegiate review of these skills. Students are encouraged to take English Grammar 1 before enrolling in this course. (May be repeated once.)

HSENG 17: Basic Skills: Reading and Study Strategies

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: ALTERNATING TERMS

This course helps students improve their reading comprehension and vocabulary in various academic subjects. It emphasizes fundamental reading comprehension skills, general and academic vocabulary enhancement, study skills strategies, and principles of study reading. (May be repeated once.)

HSENG 21: English 1

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces basic academic reading and writing for students who require a review of basic English standards and practices. It focuses on the single-paragraph response in autobiographical and narrative writing assignments, topic-sentence development, vocabulary development, and basic oral presentations. (May be repeated once.)

HSENG 22: English 2

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces basic academic reading and writing for students who require a review of basic English standards and practices. It focuses on the single-paragraph response in autobiographical and narrative writing assignments, topic-sentence development, vocabulary development, and basic oral presentations. (May be repeated once.)

HSENG 23: English 3

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course develops intermediate academic reading and writing skills. It focuses on the argumentative essay on culturally relevant literature and topics, and it requires both in-class and at-home essay compositions, advanced MLA formatting for essays, intermediate vocabulary development, and oral presentations. (May be repeated once.)

HSENG 25: English 4

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course develops advanced academic reading and writing skills for students. It focuses on the research essay on contemporary literature and issues and requires both in-class and at-home essay compositions, advanced MLA formatting for essays, advanced vocabulary development, and an oral presentation.

HSENG 40: Information Literacy & College Success

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course is designed for students wishing to improve their information literacy and their knowledge and use of information systems and technology as they relate to school and/or the workplace. It introduces a variety of services, programs, and degrees at the college and requires that students learn how to obtain information about them online as well as through face-to-face and written communications. (May be repeated once.)

HSIFA 11: Introduction to Fine Arts 1 - The History and Development of Theatre and Dance

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: ALTERNATING TERMS

This course introduces students to the history of theatre and dance from its prehistoric beginnings to the present, with an emphasis on the Renaissance through the twentieth century. Topics include a review of the prehistoric origins of dance, dance-drama, and theatre from countries all over the world. Students must complete Fine Arts I and Fine Arts II (or comparable courses) to fulfill the requirement for graduation. This course aligns with Visual and Performing Arts Content Standards.

HSIFA 12: Introduction to Fine Arts 2 - The History and Development of Art and Music

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: ALTERNATING TERMS

This course introduces students to the history of art and music from its prehistoric beginnings to the present. Topics include the prehistoric origins of art, architecture, and music of the late 19th through the mid-20th centuries and up to contemporary art and music. Students must complete Fine Arts I and Fine Arts II (or comparable courses) to fulfill the graduation requirement. This course aligns with Visual and Performing Arts Content Standards.

HSIFA 13: Beginning Film and Digital Media Production

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course offers a basic introduction to the video production environment. Students work with a team on a project through the pre-production, shooting, and post-production phases of narrative storytelling for the screen. Students critique professional and peer work while using appropriate film and video vocabulary. Students also learn basic operational skills for the video camera and editing system so that they can demonstrate their understanding of film techniques while creating video projects. Instruction covers film production, script writing, editing, and critical thinking. (May be repeated once.)

HSIFA 14: Introduction to Fine Arts 3 - The History of Film

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

In this history of film class, students view, study, discuss, and write about films from various genres and different time periods. They develop and demonstrate technological, cultural, and media literacy skills as well as critical thinking and problem solving skills that will serve them well in the real world.

HSMTH 11: Basic Skills Math 1

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

Basic Skills Math 1 is designed to meet the basic skills mathematics improvement needs of students for a variety of purposes: to meet pre-collegiate requirements; to meet mathematics unit requirements for an adult high school diploma; and/or to help prepare for examinations such as the GED. Topics include the study of whole numbers, fractions, and decimals. (This course may be repeated once.)

HSMTH 12: Basic Skills Math 2

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

Basic Skills Math 2 is designed to meet the basic skills mathematics improvement needs of students for a variety of purposes: to meet pre-collegiate requirements; to meet mathematics unit requirements for an adult high school diploma; and/or to help prepare for examinations such as the GED. Topics include the study of percents, measurement, probability, and statistics. (This course may be repeated once.)

HSMTH 13: Basic Skills Math 3

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

Basic Skills Math 3 is designed to meet the basic skills mathematics improvement needs of students for a variety of purposes: to meet pre-collegiate requirements; to meet mathematics unit requirements for an adult high school diploma; and/or to help prepare for examinations such as the GED. Topics include the study of elementary algebra and geometry. (This course may be repeated once.)

HSMTH 20: Algebra Essentials 1

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: ALTERNATING TERMS

Algebra Essentials 1 is intended for students with little or no previous algebra experience. Topics include the real number system, operations with algebraic expressions, linear equations and inequalities, graphing linear equations in two variables, and solving systems of linear equations. (This course may be repeated once.)

HSMTH 21: Algebra Essentials 2

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: ALTERNATING TERMS

Algebra Essentials 2 is intended for students with some beginning algebra experience. Topics include exponents and polynomials, factoring, an introduction to quadratic equations, rational expressions and equations, and solving applied problems. (This course may be repeated once.)

HSSCI 11: Physical Science 1 - Chemistry

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: To be arranged

This introductory chemistry class introduces students to the study of matter and changes in matter. Topics include states of matter, chemical and physical changes, the development of the atomic theory, the periodic table and its use, writing chemical formulas, balancing chemical equations, types of chemical reactions, and an introduction to organic chemistry.

HSSCI 12: Physical Science 2 - Physics

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: To be arranged

This introductory physics course is non-algebra based and introduces students to the basic concepts of physics. Students learn to solve basic physics problems using metric measurements. Topics include motion, forces, forces in fluids, work, machines, energy, thermal energy, and heat.

HSSCI 21: Life Science 1A - Cell Biology

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: To be arranged

This introductory biology course covers the basics of cell biology, including cellular organization, cellular transport systems, cellular metabolism, and the requirements for life. The course also introduces genetics, including the structure and functions of DNA, Mendelian genetics, probability, and cellular reproduction.

HSSCI 22: Life Science 2 - Human Anatomy and Physiology

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: To be arranged

This course in human anatomy and physiology covers each of the eleven organ systems of the human body. It emphasizes learning the structures of each system along with their functions. The course also provides a more in-depth study of the physiology of cellular respiration, homeostasis, immunology, reproduction, and growth and development.

HSSCI 23: Life Science 1B - Animal Biology

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This introductory biology course covers the basics of animal biology. Topics include the scientific method, the characteristics of living things, evolution and evolutionary relationships among species, and fossils.

HSSCI 41: Physical Science 3 - Environmental Science

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This introductory environmental science course covers the basics on human population growth, natural resources, and ecosystem dynamics. Through the study of these topics, students develop an understanding of how interdependent life on Earth is and the cross-cutting relationships of the fields of science, such as chemistry, physics, and biology.

HSSCI 51: Life Science 3 - Introduction to Biotechnology

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This biotechnology science course introduces the use of living organisms in industrial, agricultural, medical, and other technological applications. Through the study of these topics, students obtain a comprehensive introduction to the scientific concepts and laboratory research techniques currently used in the field of biotechnology.

HSUSH 11: United States History 1

High School Credits: 5

Prerequisites: None

Advisory: Students are advised to have completed HSENG 23, HSWHG 11, and HSWHG 12 prior to taking this course.

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to the major turning points in United States history from the nation's beginnings to the Great Depression with an emphasis on the twentieth century. Topics include a review of the nation's beginnings, the impact of the Enlightenment, industrialization, the impact of religion, World War I, the U.S. as a world power, the 1920s, and the Great Depression. Students must complete both HSUSH 11 and HSUSH 12 to fulfill the United States history requirement for graduation.

HSUSH 12: United States History 2

High School Credits: 5

Prerequisites: None

Advisory: Students are advised to have completed HSENG 23, HSUSH 11, HSWHG 11, and HSWHG 12 prior to taking this course.

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the major turning points in United States history from World War II to the present day with an emphasis on the twentieth century. Topics include World War II, post-World War II economic and social transformation, U.S. foreign policy since World War II, civil rights and voting rights, and major social and domestic policy issues in contemporary American society. Students must complete both HSUSH 11 and HSUSH 12 to fulfill the United States history requirement for graduation.

HSWFP 11: Applied Computer Skills

High School Credits: 5

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

In this course, students develop essential computer and information technology skills for workplace and educational success. Students develop skills in using word processing software; access, evaluate, and utilize information resources using the Internet and Web browsers; and get experience with a learning management system. Previous experience using computers, or completion of NCVO38 Computer Basics/Keyboarding class, is recommended.

HSWHG 11: World History and Geography 1

High School Credits: 5

Prerequisites: None

Advisory: Students are advised to have completed HSENG 22 and a basic computer literacy course prior to taking World History 1.

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to world history, culture, and geography from the late eighteenth century to the conclusion of World War I. Topics include Greco-Roman and Judeo-Christian roots of Western political ideas, Democratic Revolutions, Industrial Revolution, Imperialism, and World War I. Students must complete both HSWHG 11 and HSWHG 12 to fulfill the world history requirement for graduation.

HSWHG 12: World History and Geography 2

High School Credits: 5

Prerequisites: None

Advisory: Students are advised to have completed HSENG 22, HSWHG 11, and a basic computer literacy course prior to enrolling in this course.

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course introduces students to world history, culture, and geography from the conclusion of World War I through the present. Topics include Totalitarianism, World War II, international developments after World War II, and nation-building in the contemporary world. Students must complete both HSWHG 11 and HSWHG 12 to fulfill the world history requirement for graduation.

General Noncredit

Noncredit Classes for Adults

The goal of adult education in California is to provide citizens of every age and educational level the opportunity to develop civic responsibility, a realization of the human potential, effective human relationships, and economic self-sufficiency. This broad goal forms the basis for the courses and programs MiraCosta College offers in each of the authorized categories of tuition-free noncredit instruction.

General Noncredit continuing education at MiraCosta College includes the following areas:

- ▶ Basic Skills for Adults with Developmental Disabilities
- ▶ Health and Safety
- ▶ Older Adults
- ▶ Parenting

Contact Information

Chair: Erica Duran**Dean:** John Makevich

<https://www.miracosta.edu/academics/continuing-education/index.html>

Department: General Noncredit

Office: Community Learning Center, 1831 Mission Avenue, Oceanside, CA 92058, 760.795.8710

Certificates

Certificate of Completion

Basic Computer Skills

This certificate demonstrates successful completion of Basic Computer Skills 1 for Learners with Intellectual and Developmental Disabilities (NCSPC 27) and Basic Computer Skills 2 for Learners with Intellectual and Developmental Disabilities (NCSPC 28), which prepare students for other computer courses and for entry-level employment.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, students will demonstrate computer knowledge, including computer terminology, emailing, file management, and the basics of Windows 10, word processing, and the Internet.

Required courses:

NCSPC 27	Basic Computer Skills 1 for Learners with Intellectual and Developmental Disabilities
NCSPC 28	Basic Computer Skills 2 for Learners with Intellectual and Developmental Disabilities

Total Courses Required:

2

Certificate of Competency

English Fundamentals - Grammar

This certificate provides a supportive, noncredit, competency-based pathway for students wishing to improve their foundational English language and grammar skills.

Program Student Learning Outcome Statement

- ▶ Upon completion of this program, students will be able to compose grammatically correct sentences for personal, professional, and academic documents.

Core Preparation Courses

Students must earn a passing grade in at least one of the following courses:

NCENG 15	English Grammar 1
or HSENG 15	English Grammar 1
NCENG 16	English Grammar 2
or HSENG 16	English Grammar 2

Capstone Course

Students must earn a passing grade in the following capstone course:

NCENG 30	Sentence Crafting

Total Courses Required:

2

Certificate of Competency

English Fundamentals - Reading

This certificate provides a supportive, noncredit, competency-based pathway for students wishing to improve their basic literacy and comprehension skills.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to read personal, professional, and academic documents and texts with clarity, comprehension, and confidence.

Core Preparation Courses

Students must earn a passing grade in at least one of the following courses:

NCABE 90	Adult Basic Education: Reading
NCENG 17	Basic Skills: Reading and Study Strategies
or HSENG 17	Basic Skills: Reading and Study Strategies

Capstone Courses

Students must earn a passing grade in at least one of the following capstone courses:

NCENG 21	The Single Paragraph	
or HSENG 21	English 1	
Total Courses Required:		2

Certificate of Competency

English Fundamentals - Writing

This certificate provides a supportive, noncredit, competency-based pathway for students wishing to improve their basic composition skills.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to compose personal, professional, and academic documents with clarity and organization.

Core Preparation Courses

Students must earn a passing grade in at least one of the following core courses:

NCABE 94	Adult Basic Education: Writing
NCENG 17	Basic Skills: Reading and Study Strategies
or HSENG 17	Basic Skills: Reading and Study Strategies
NCENG 21	The Single Paragraph
or HSENG 21	English 1

Capstone Courses

Students must earn a passing grade in at least one of the following capstone courses:

NCENG 22	Basic Composition: The Five Paragraph Essay
or HSENG 22	English 2

Total Courses Required: 2

Adult Basic Education Courses

NCABE 90: Adult Basic Education: Reading

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course helps build a solid foundation of basic vocabulary and reading. Topics include finding main ideas and details in expository text and delivering oral summaries of paragraphs and articles. This course is recommended for students who need an intensive review of basic reading and vocabulary skills.

NCABE 92: High School Equivalency Preparation

Prerequisites: None

Lecture 6 hours.

Course Typically Offered: Fall, Spring, and Summer

This course prepares students to pass a high school diploma equivalency exam. It provides both online and in-person instruction as well as individualized coaching. The course introduces students to each of the high school equivalency subject tests, determines their present readiness, and provides an individualized course of study for each subject area. The course also provides students with information on exam costs, testing options, the scheduling process, information on further academic and/or career pathways, and more. Students may enroll in this course as many times as needed to support their success and completion of the diploma equivalency exams.

NCABE 94: Adult Basic Education: Writing

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course helps build a solid foundation of grammar and writing skills. Topics include writing complete sentences in Standard American English and a foundation in basic grammar. This course is recommended for students who need an intensive review of basic writing skills. (May be repeated once.)

NCENG 15: English Grammar 1

Prerequisites: None

Lecture 3 hours. (1501.00)

Course Typically Offered: Fall, Spring, and Summer

This course provides a review of basic English grammar skills, such as parts of speech, including nouns, verbs, adjectives, and adverbs, and basic punctuation. This course is the first in a series of grammar courses that assist emerging writers with a precollegiate review of these skills.

NCENG 16: English Grammar 2

Prerequisites: None

Lecture 3 hours. (1501.00)

Course Typically Offered: Fall, Spring, and Summer

This course provides a review of advanced English grammar skills, such as sentence structure, including fragments, run-ons, and misplaced modifiers, as well as other conventions of Standard American English. This course is the second in a series of grammar courses that assist emerging writers with a precollegiate review of these skills. Students are encouraged to take English Grammar 1 before enrolling in this course.

NCENG 17: Basic Skills: Reading and Study Strategies

Prerequisites: None

Lecture 3 hours. (1520.00)

Course Typically Offered: ALTERNATING TERMS

This course is designed to help students improve their reading comprehension and vocabulary in various academic subjects. Students critically analyze content-area readings, such as articles, novels, and short stories. The course emphasizes fundamental reading comprehension skills, general and academic vocabulary enhancement, study skills strategies, and principles of study reading.

NCENG 21: The Single Paragraph

Prerequisites: None

Lecture 3 hours. (1501.00)

Course Typically Offered: Fall, Spring, and Summer

This course introduces basic academic reading and writing for students who require a review of basic English standards and practices. It focuses on the single-paragraph response in autobiographical and narrative writing assignments, topic-sentence development, vocabulary development, and basic oral presentations.

NCENG 22: Basic Composition: The Five Paragraph Essay

Prerequisites: None

Lecture 3 hours. (1501.00)

Course Typically Offered: Fall, Spring, and Summer

This course continues to build upon basic academic reading and writing skills. It focuses on the five-paragraph literary/expository essay for both in-class and at-home essay compositions, basic MLA formatting for in-text citations, vocabulary development, and an intermediate-level oral presentation.

NCENG 23: Intermediate Composition: The Argument Essay

Prerequisites: None

Lecture 3 hours. (1501.00)

Course Typically Offered: Fall, Spring, and Summer

This course develops intermediate academic reading and writing skills. It focuses on the argumentative essay on culturally relevant literature and topics, and it requires both in-class and at-home essay compositions, advanced MLA formatting for essays, intermediate vocabulary development, and oral presentations.

NCENG 25: Advanced Composition: The Research Essay

Prerequisites: None

Lecture 3 hours. (1501.00)

Course Typically Offered: Fall, Spring, and Summer

This course develops advanced academic reading and writing skills for students. It focuses on the research essay on contemporary literature and issues and requires both in-class and at-home essay compositions, advanced MLA formatting for essays, advanced vocabulary development, and an oral presentation.

NCENG 30: Sentence Crafting

Prerequisites: None

Lecture 3 hours. (1501.00)

Course Typically Offered: Fall or Spring

This course emphasizes sentence craft and effective communication in prose by reviewing basic grammar conventions while considering different audience expectations and circumstances. Topics include audience awareness, editing strategies, prescriptive versus descriptive conventions, voice, and sentence types. This course is intended for students who want to improve the efficacy and complexity of their prose at the sentence level.

NCENG 50: Introduction to College Composition

Prerequisites: None

Lecture 4 hours.

Course Typically Offered: Fall, Spring

This course offers intensive practice in the writing process, critical reading, and critical thinking. It also provides practice in acquiring, synthesizing, and communicating information and in applying the principles and conventions of standard edited American English.

NCENG 52: College Composition Skills and Support

Prerequisites: None

Corequisite: ENGL 100 or ENGL 100H.

Lecture 2 hours. (1501.00)

Course Typically Offered: Fall, Spring

This course offers intensive practice in the skills needed to read college-level texts and compose college-level essays. It provides support in developing skills and strategies for success in transfer-level writing classes. Students enrolling in this course must also enroll in ENGL 100.

NCMTH 11: Basic Skills Math 1

Prerequisites: None

Lecture 3 hours. (1701.00)

Course Typically Offered: Fall, Spring, and Summer

Basic Skills Math 1 is designed to meet the basic skills mathematics improvement needs of students. Topics include the study of whole numbers, fractions, and decimals.

NCMTH 12: Basic Skills Math 2

Prerequisites: None

Lecture 3 hours. (1701.00)

Course Typically Offered: Fall, Spring, and Summer

Basic Skills Math 2 is designed to meet the basic skills mathematics improvement needs of students. Topics include the study of percents, measurement, probability, and statistics.

NCMTH 13: Basic Skills Math 3

Prerequisites: None

Lecture 3 hours. (1701.00)

Course Typically Offered: Fall, Spring, and Summer

Basic Skills Math 3 is designed to meet the basic skills mathematics improvement needs of students. Topics include the study of elementary algebra and geometry.

NCMTH 20: Algebra Essentials 1

Prerequisites: None

Lecture 3 hours. (1701.00)

Course Typically Offered: Fall, Spring, and Summer

Algebra Essentials 1 is intended for students with little or no previous algebra experience. Topics include the real number system, operations with algebraic expressions, linear equations and inequalities, graphing linear equations in two variables, and solving systems of linear equations.

NCMTH 21: Algebra Essentials 2

Prerequisites: None

Lecture 3 hours. (1701.00)

Course Typically Offered: Fall, Spring, and Summer

Algebra Essentials 2 is intended for students with some beginning algebra experience. Topics include exponents and polynomials, factoring, an introduction to quadratic equations, rational expressions and equations, and solving applied problems.

Health and Safety Courses

NCHLT 11: Spinal Fitness

Prerequisites: None

Laboratory 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is designed to optimize strength and flexibility of the back and body. Students learn a variety of exercises and rhythmic movements, including low-impact weight-bearing exercise, resistance work with light weights, static stretches, and relaxation routines.

NCHLT 15: Arthritis Exercise Program

Prerequisites: None

Laboratory 2.75 hours.

Course Typically Offered: Fall, Spring, and Summer

This group exercise regimen is designed to help those who have joint and/or muscle problems achieve joint mobility, muscular strength, and endurance in order to improve the performance of their daily activities. The program consists of specific exercises, including stretching and range of motion exercises, strengthening and endurance routines, health education, movement activities, and relaxation exercises.

NCHLT 75: Balance and Mobility

Prerequisites: None

Laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is designed for individuals at moderate risk for fall (e.g., self-identified balance problems, existing fall history, including the ability to stand and ambulate independently). Students must be able to stand and ambulate independently. The course adopts a multidimensional approach to balance-related problems. Activities target specific balance problems in a challenging training environment.

Older Adults Courses

NCART 11: Painting, Intermediate

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who already know how to draw and have done some painting. It covers more advanced drawing, use of color, and advanced picture composition. Painting subjects range from still life to flowers and from abstract pictures to landscapes. Students use acrylic, oils, water media, pastels, and other mixed media, and they are expected to furnish their own supplies.

NCART 12: Painting, Advanced

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is designed for students who know how to paint and draw and who feel confident about their abilities. The course covers advanced composition, color use, landscapes, and portraits. Students create a suite of paintings on a theme of their choice or follow a class syllabus designed to challenge the more experienced artist. Students are encouraged to use all media, including acrylic, watercolor, pastel, pencil, pen, and ink, and they are expected to furnish their own supplies.

NCART 13: Acrylic Painting

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the use of color and basic techniques of acrylic painting. After lecture and demonstration, students plan, compose, and execute a variety of paintings, such as still life, abstraction, seascapes, and perspective. Students are expected to furnish their own supplies.

NCART 15: Portrait and Figure Drawing and Painting

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring, and Summer

This course teaches the basic principles of drawing and painting portraits and figures as well as the correct and effective use of materials and tools. Students learn techniques such as sighting and measuring for correct anatomy and proportions to ensure likenesses, and studies may be done from nude or clothed models, photographs, masterwork, and art films presented in class. Students are expected to furnish their own supplies.

NCART 17: Painting and Drawing

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring, and Summer

This course uses drawing as a way to inform and enrich the student's work in painting. Students draw mainly with graphite and charcoal and explore color through water-based paint, such as gouache, watercolor, and acrylic. They also experiment with mixed media, such as ink, pastel chalk, oil pastels, and ink. Students are expected to furnish their own supplies.

NCART 20: Basic Drawing and Sketching

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring, and Summer

This course covers the basic principles and techniques in drawing and sketching. Topics include the use of line to define form, cross-hatching, shading, rubbing, blending, values, and color. Students practice thumbnail sketches and use a variety of materials, such as graphite, colored pencils, markers, pen and ink, charcoal and pastel chalks, and oil pastels. Students are expected to furnish their own supplies.

NCART 31: Watercolor Painting, Beginning

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring, and Summer

This class is designed to acquaint beginners with the techniques, properties, and materials of transparent watercolors. It exposes students to basic art elements, such as value, composition, color, textures, and drawing principles. Students plan and create several watercolor pieces that are critiqued by the instructor, and students must provide their own materials.

NCART 32: Watercolor Painting, Intermediate

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring, and Summer

This course in transparent watercolor painting is designed to improve the watercolor skills of an intermediate watercolor student. Assignments stress more advanced composition elements and originality. Students practice planning and executing watercolor pieces after faculty lecture and demonstration, and their work is evaluated during group critique sessions. Students are expected to provide their own supplies.

NCART 35: Watercolor Painting on Location

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring, and Summer

In this watercolor painting course, students practice the skills learned previously in a classroom setting in a variety of outdoor sites in North County San Diego. Students explore basic watercolor techniques, principles of design and composition, and drawing tips. The course encourages students to explore creative ways of seeing color and light through increased awareness and sensitivity to the environment. Students are expected to provide their own materials and arrange for their own transportation to preassigned locations.

NCART 70: Multimedia Sculpture

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring, and Summer

Students learn sculpture techniques through a variety of media, including paper, plaster, clay, and assembly as well as from a variety of artists working in various media. The class offers creative ideas for the novice as well as new techniques for practicing artists. Students are expected to provide the materials needed to complete class projects.

NCHAS 12: Nutrition and Fitness for Better Health

Prerequisites: None

Lecture 2 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is designed for seniors who desire to lose between five and forty pounds. The course emphasizes the development of nutritionally sound eating habits to reduce by one to two pounds per week. It also examines a variety of issues involved with successful weight management, including exercise, stress management, strategies for eating out, evaluation of fad diets, building confidence, and changing habits.

NCHAS 60: Water Fitness for Older Adults

Prerequisites: None

Lecture 2.50 hours.

Course Typically Offered: Fall, Spring, and Summer

Students participate in basic-to-intermediate aerobic conditioning, strength training, and stretch activities in a water environment. Instruction focuses on the benefits of aquatic exercise for all fitness levels and health conditions. Swim skills are not required.

NCHAS 70: Body Conditioning Over Easy

Prerequisites: None

Laboratory 4 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is designed for older adults with physical limitations in their feet, knees, and hips who still want to exercise. Class begins with a seated segment to warm-up and range-of-motion exercises and is followed by standing/seated low impact cardio and balance exercises. The next segment includes seated strength exercises using light hand weights and resistance bands, exercises to improve brain fitness, and range of motion exercises using small balls. The class concludes with standing and seated cool-down and relaxation exercises.

NCHAS 71: Body Conditioning for Older Adults

Prerequisites: None

Laboratory 2.75 hours.

Course Typically Offered: Fall, Spring, and Summer

This course teaches exercise techniques that meet the needs of older adults at all levels of fitness (beginning through advanced). Exercises include warm-ups, semi-cardio and cardiovascular workouts, mat routines, repetitious exercise for muscular toning, strength and endurance, balance, stretching, flexibility, and cool-downs. Students work at their own pace and levels of fitness. Pulse rates may be taken before, during, and after various exercises to gauge appropriateness of exercise level. As with any exercise program, a physician's approval is recommended.

NCHAS 81: Tai Chi Chuan for Seniors, Beginning

Prerequisites: None

Laboratory 3 hours.

Course Typically Offered: Fall, Spring

This introductory course teaches the first 16 steps of the Chinese exercise/discipline Tai Chi Chuan. Students learn and practice individual positions each week, and the positions are linked together in a continuous, smooth-flowing form. The course focuses on balance, flexibility, and ease of movement. This slow, non-strenuous, effective form of exercise emphasizes the conditioning of the whole. This introductory course teaches the first 16 steps of the Chinese exercise/discipline Tai Chi Chuan. Students learn and practice individual positions each week, and the positions are linked together in a continuous, smooth-flowing form. The course focuses on balance, flexibility, and ease of movement. This slow, non-strenuous, effective form of exercise emphasizes the conditioning of the whole person, including the mind, body, and spirit.

NCHAS 82: Tai Chi Chuan for Seniors, Intermediate

Prerequisites: None

Laboratory 2 hours.

Course Typically Offered: Fall, Spring

This course provides continuing exposure to the Chinese exercise/discipline Tai Chi Chuan. Students complete the first 32 of the 64 steps of Tai Chi Chuan. They learn slow, fluid movements that promote balance, grace, and endurance as well as clarity of thought, clarity of intent, and stability of emotion. The course also covers simple forms of meditation.

NCHAS 83: Tai Chi Chuan for Seniors, Advanced

Prerequisites: None

Laboratory 2 hours.

Course Typically Offered: Fall, Spring

This course provides continuing training in the Chinese exercise/discipline Tai Chi Chuan. Students complete the last half of the 64 steps and refine skills while exploring a deeper understanding of the Tai Chi Chuan philosophy.

NCHAS 85: Chair Yoga for Older Adults

Prerequisites: None

Laboratory 2.75 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is designed for older adults who desire to improve muscular endurance, flexibility, and balance and to reduce stress. Students learn about the benefits of yoga as related to various age-related health issues. Using a chair for seated or standing support, students practice various yoga poses and breathing techniques to achieve range of motion, muscular endurance, and balance.

NCMUS 10: Music Appreciation for Seniors

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring

This course is designed for older adults who want to increase their understanding and enjoyment of music by learning how to listen to music with a discerning ear. The course includes basic music history, musical terms, and discussion of musical style and performance.

NCPSY 11: Self-Awareness Through Improvisation

Prerequisites: None

Lecture 2.25 hours.

Course Typically Offered: Fall, Spring, and Summer

Especially for older adults, this course uses improvisation as a means of developing self-awareness, imagination, and creativity, thus enhancing the ability to interact socially. Classroom improvisation emphasizes thinking, listening, and reacting to others.

NCPSY 13: The Impact of Radio on Our Lives

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring

This course is designed especially for older adults who have had the unique experience of living through the 'golden age' of radio. The course gives students the opportunity to reflect on how the values, attitudes, and entertainment of their favorite radio shows shaped their lives. Students work collaboratively to read, rehearse, and perform some of the actual radio scripts that were broadcast during the 1930s, 1940s, and 1950s.

NCWRT 10: Creative Writing

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring

This creative writing workshop accommodates all levels of writers and/or poets, from beginning to experienced, as well as all styles and forms of writing, including prose (fiction and nonfiction/memoir) and poetry. Each session consists of sharing and critiques of student writing, an instructional period, and an assignment. Students are encouraged to write on a regular basis, to write different kinds of materials, to develop a personal style, and to submit works for publication following submission guidelines.

NCWRT 13: Beginning Film and Digital Media Production

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course offers a basic introduction to the video production environment. Students work with a team on a project through the pre-production, shooting, and post-production phases of narrative storytelling for the screen. Students critique professional and peer work while using appropriate film and video vocabulary. Students also learn basic operational skills for the video camera and editing system so that they can demonstrate their understanding of film techniques while creating video projects. Instruction covers film production, script writing, editing, and critical thinking.

NCWRT 16: Genre Writing

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring, and Summer

This creative writing workshop focuses on an in-depth examination of one genre of writing. It includes workshops for students to practice writing in the specified genre and provides ongoing feedback from both instructors and peers. This course accommodates all levels of writers and/or poets, from beginning to experienced. Students are encouraged to write on a regular basis, to write different kinds of materials, and to develop a personal style. Professional writers may serve as guest speakers, and students are encouraged to submit works for publication or production.

NCWRT 20: Life Story Writing

Prerequisites: None

Lecture 2.75 hours.

Course Typically Offered: Fall, Spring

This introductory creative writing workshop in life story writing and personal narrative emphasizes the essay as an art form. Readings and frequent writing assignments provide background and practice in writing memoir/personal narratives that are informed by one's experiences. Class sessions consist of writing exercises and improvisations designed to focus memory and strengthen perception. This class is organized in a workshop model to allow students to present works in progress to the group and to receive useful feedback and advice in order to engage more deeply and with greater insight during the revision process.

Parenting Courses

NCPAR 20: Parent - Toddler Workshop

Prerequisites: None

Lecture 3.50 hours.

Course Typically Offered: Fall, Spring

Parents and their toddlers meet on a weekly or twice-weekly basis to participate in various guided class activities. Students learn how to diagnose parenting issues and how to develop useful problem-solving techniques utilizing effective parenting models. Participants learn the value of ritual and routines, consistency, and how to analyze and modify parenting techniques, such as logical consequences, positive communication skills, modeling behavior expectations as well as values/ethics education.

Special Education Courses

NCSPC 25: Effective Life Skills

Prerequisites: None

Lecture 10 hours.

Course Typically Offered: Fall, Spring

This course provides students with intellectual and/or developmental disabilities the skills to increase their independence in daily life. The course supports students' personal growth skills (identifying interests, aptitudes, values, needs, and personality characteristics; increasing self-esteem and self-advocacy; and setting goals), social development (improving conversational and social networking skills), and practical living skills (using community resources, managing money and time, solving problems, and making decisions).

NCSPC 26: Basic Academic Skills

Prerequisites: None

Lecture 5 hours.

Course Typically Offered: Fall, Spring, and Summer

This course focuses on increasing basic academic skills for students with intellectual and developmental disabilities. Students work in areas of reading, writing, mathematics, use of basic computer applications, health and safety, communication skills, and overall problem solving. Class time includes individual and/or small group work with an emphasis on understanding the application of basic skills to real life with increased independence.

NCSPC 27: Basic Computer Skills 1 for Learners with Intellectual and Developmental Disabilities

Prerequisites: None

Lecture 5 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students with intellectual and developmental disabilities to the Windows environment and basic computer terminology, hardware, and software. Through hands-on instruction, students also focus on increasing skills in basic keyboarding and accessing the course enrollment system.

NCSPC 28: Basic Computer Skills 2 for Learners with Intellectual and Developmental Disabilities

Prerequisites: None

Prerequisites: None

Course Typically Offered: Lecture 5 hours. (0702.10)

In this course, students with intellectual and developmental disabilities focus on increasing skills in using email, a word processing software, and a web browser. Students conduct basic Internet searches and learn to document and share information via email.

Noncredit ESL

Noncredit ESL Instruction

The goal of adult education in California is to provide citizens of every age and educational level the opportunity to develop civic responsibility, a realization of the human potential, effective human relationships, and economic self-sufficiency. This broad goal forms the basis for the courses and programs MiraCosta College offers in each of the authorized categories of tuition-free noncredit instruction, including English as a Second Language (ESL).

At MiraCosta College, Noncredit ESL offers students a variety of learning opportunities to achieve proficiency in the English language and formulate and attain personal, academic, vocational, and/or civic goals. The program offers citizenship, career-track, conversation, computer and digital literacy, reading and writing skills-based, and open-entry distance learning classes. Specific information about the program is available on the Noncredit ESL webpage.

Contact Information

Chair: Tricia Hoste**Dean:** John Makevich

<https://www.miracosta.edu/academics/continuing-education/esl/index.html>

Department: Noncredit ESL

Office: Community Learning Center, 1831 Mission Avenue, Oceanside, CA 92058, 760.795.8710

Full-Time Faculty

Elizabeth Dinamarca Clarke
Ruth Gay
Tricia Hoste

Kristi Reyes
Mariana Silva

Certificates

Certificate of Competency

Beginning Noncredit ESL

This entry-level certificate is designed to help students communicate in everyday life situations they will encounter in the community and at home, school, and work so they can meet their personal, academic, and career goals. Students earn this certificate by successfully completing at least two noncredit beginning-level ESL courses. Students must successfully complete the highest core course and at least one elective course to help them progress through the sequence and transition into intermediate-level courses or employment.

Program Student Learning Outcome Statement

- Upon completion of the program, students will be able to demonstrate the English language skills needed to communicate in everyday life situations they will encounter at home, at school, at work, and in the community.

Core Courses

Students must earn a passing grade in at least one core course from the following list:

NCESL 10	English as a Second Language, Level 1
NCESL 21	English as a Second Language, Level 2
NCESL 22	English as a Second Language, Level 3 *

Elective Courses

Students must earn a passing grade in at least one elective course from the following list:

NCESL 20	Noncredit ESL Conversation Skills for Beginning Students
NCESL 23	Reading and Writing for Beginning Level Students
NCESL 81	Basic Computers and Digital Literacy (BCDL) for ESL Students (Beginning Level)

Total Courses Required: 2

- * Students must complete the highest core course in order to earn this certificate.

Certificate of Competency

Intermediate Noncredit ESL

This intermediate-level certificate is designed to help students build on their abilities to communicate in English and to progress through the noncredit ESL program. Students earn this certificate by successfully completing at least two noncredit intermediate-level ESL courses. Students must successfully complete the highest core course and at least one elective course to help them progress through the sequence and transition into advanced-level courses or employment.

Program Student Learning Outcome Statement

- Upon completion of the program, students will be able to demonstrate the English skills necessary to successfully progress through the program to the advanced levels.

Core Courses

Students must earn a passing grade in at least one core course from the following list:

NCESL 31	English as a Second Language, Level 4
NCESL 32	English as a Second Language, Level 5 *

Elective Courses

Students must earn a passing grade in at least one elective course from the following list:

NCESL 30	Noncredit ESL Conversation Skills for Intermediate Students
NCESL 33	Reading and Writing for Intermediate Level Students
NCESL 62A	Workplace English as a Second Language (Intermediate)
NCESL 65	English as a Second Language, Citizenship **
NCESL 81	Basic Computers and Digital Literacy (BCDL) for ESL Students (Beginning Level)
NCESL 82	Computers and Digital Literacy (CDL) for ESL Students (Intermediate/Advanced Level)

Total Courses Required: 2

- * Students must complete the highest core course in order to earn this certificate.

- ** Students may earn a passing grade in this course by completing a minimum of 48 hours.

Certificate of Competency

Advanced Noncredit ESL

This advanced-level certificate is designed to help students build on their abilities to communicate in English and to progress through the noncredit ESL program. Students earn this certificate by successfully completing at least two noncredit advanced-level ESL courses. Students must successfully complete the highest core course and at least one elective course to help them progress through the sequence and transition into Adult High School/GED courses, credit courses, or employment.

Student Program Learning Outcome Statement

- Upon completion of the program, students will be able to demonstrate the English skills necessary to successfully transition to ABE/Adult High School/GED, credit classes, or employment.

Core Courses

Students must earn a passing grade in at least one core course from the following list:

NCESL 40	English as a Second Language, Level 6

NCESL 45	English as a Second Language, Level 7 *
Elective Courses	
Students must earn a passing grade in at least one elective course from the following list:	
NCESL 30	Noncredit ESL Conversation Skills for Intermediate Students
NCESL 33	Reading and Writing for Intermediate Level Students
NCESL 62A	Workplace English as a Second Language (Intermediate)
NCESL 62C	Bridge to College and Career ESL (Advanced)
NCESL 65	English as a Second Language, Citizenship **
NCESL 82	Computers and Digital Literacy (CDL) for ESL Students (Intermediate/Advanced Level)
Total Courses Required:	2

* Students must complete the highest core course in order to earn this certificate.

** Students may earn a passing grade in this course by completing a minimum of 48 hours.

Courses

NCESL 10: English as a Second Language, Level 1

Prerequisites: None

Lecture 6 hours.

Course Typically Offered: Fall, Spring

Level 1 ESL is designed for students with little or no previous background in English. Non-literate or students with extremely low English skills are placed at this level. This integrated skills course provides students instruction in speaking, listening, reading, and writing English.

NCESL 15: Multilevel Beginning English as a Second Language

Prerequisites: None

Lecture 4.25 hours.

Course Typically Offered: Fall, Spring, and Summer

This beginning multilevel course is designed for students with little ability in English. It focuses on the speaking and understanding necessary to satisfy routine social demands and limited work requirements. Students in this level learn to comprehend high-frequency words in context, use learned phrases and sentences to communicate needs, and read and write simplified materials.

NCESL 20: Noncredit ESL Conversation Skills for Beginning Students

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course promotes listening comprehension and provides conversation practice. Students acquire the skills needed to have basic conversations with native speakers of English. Instruction focuses on beginning-level speaking and listening skills appropriate for conversational English.

NCESL 21: English as a Second Language, Level 2

Prerequisites: None

Lecture 6 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is designed for students with very little ability in English. It focuses on the speaking and understanding necessary to satisfy routine social demands and limited work requirements. Students in this level learn to comprehend high-frequency words in context, use learned phrases and sentences to communicate needs, and read and write simplified materials.

NCESL 22: English as a Second Language, Level 3

Prerequisites: None

Lecture 6 hours.

Course Typically Offered: Fall, Spring, and Summer

Level 3 ESL focuses on further development of the oral language skills and vocabulary required in day-to-day situations. Additionally, this course assists students to aurally comprehend conversations in routine situations, read and write simplified materials, and have control of basic grammar.

NCESL 23: Reading and Writing for Beginning Level Students

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course focuses on the reading and writing skills beginning-level learners need in order to learn vocabulary and produce simple and compound sentences and basic paragraphs.

NCESL 25: Multilevel Beginning-Intermediate English as a Second Language

Prerequisites: None

Lecture 4.25 hours.

Course Typically Offered: Fall, Spring, and Summer

This multilevel beginning-intermediate course focuses on further development of the oral language skills and vocabulary required in day-to-day situations. Additionally, this course assists students to aurally comprehend conversations in routine situations, read and write simplified materials, and have control of basic grammar.

NCESL 29: Listening and Speaking for Non-Native Speakers of English

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course emphasizes the development of aural and oral competence in standard American English through listening to and participating in a variety of communicative activities. It offers instruction and practice in listening and speaking skills to develop students' ability to understand and participate in conversations, discussions, and other interpersonal communication in academic, work-related, and social contexts. Practical applications include participating in small group discussions, working on individual pronunciation and intonation variations, and developing academic note taking competence.

NCESL 30: Noncredit ESL Conversation Skills for Intermediate Students

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course promotes more advanced listening comprehension and conversation practice. Students acquire the skills needed to have conversations beyond basic survival needs with native speakers of English. Instruction focuses on authentic communication practice for home, work, community, and educational needs.

NCESL 31: English as a Second Language, Level 4

Prerequisites: None

Lecture 6 hours.

Course Typically Offered: Fall, Spring, and Summer

Level 4 ESL assists students to expand their listening and speaking skills in face-to-face conversations, read and interpret narrative and descriptive passages on familiar and some unfamiliar topics, and write simple routine correspondence and short paragraphs. Instruction focuses on the refinement of skills needed in conversations beyond students' survival needs. Students begin to monitor themselves on basic grammatical structures.

NCESL 32: English as a Second Language, Level 5

Prerequisites: None

Lecture 6 hours.

Course Typically Offered: Fall, Spring, and Summer

Level 5 ESL focuses on further development of the oral language skills and vocabulary required in day-to-day situations. Additionally, this course assists students to aurally comprehend and participate in routine conversations, read and write simplified materials, and have control of basic grammar.

NCESL 33: Reading and Writing for Intermediate Level Students

Prerequisites: None

Prerequisites: None

Course Typically Offered: Lecture 3 hours. (4930.87)

This course focuses on the reading and writing skills intermediate-level learners need in order to do process writing and self/peer editing at the paragraph level.

NCESL 35: Multilevel Intermediate-Advanced English as a Second Language

Prerequisites: None

Lecture 4.25 hours.

Course Typically Offered: Fall, Spring, and Summer

This multilevel intermediate-advanced course assists students in gaining skills that enable them to use English to meet social, academic, and vocational demands. The course supports students' language development in the skills areas of listening, speaking, reading, writing, and vocabulary so that students have the ability to comprehend and participate in routine conversations and written correspondence.

NCESL 39: Reading and Vocabulary Development for Non-Native Speakers of English

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course is designed for non-native speakers who are making the transition to the use of academic English and who require the development of reading and vocabulary skills needed for academic and workplace success. Students read a variety of texts and apply appropriate reading strategies as well as participate in activities to advance vocabulary and facilitate comprehension. Offered pass/no pass only.

NCESL 40: English as a Second Language, Level 6

Prerequisites: None

Lecture 6 hours.

Course Typically Offered: Fall, Spring, and Summer

Level 6 ESL stresses the refinement and expansion of language skills that enable students to use English to meet social, academic, and vocational demands effectively. Listening skill development focuses on the comprehension of abstract topics in familiar context. Speaking skill development focuses on participation in casual and extended conversations. Reading skills development focuses on reading authentic materials. Writing skill development focuses on the formal development of the writing process.

NCESL 45: English as a Second Language, Level 7

Prerequisites: None

Lecture 6 hours.

Course Typically Offered: Fall, Spring, and Summer

Level 7 ESL prepares noncredit ESL students to enroll in credit academic and/or vocational courses. This course emphasizes fluency and communication by integrating language functions and forms with appropriate information sources skills and topics. The course promotes the continued development of reading skills and writing skills through the writing process.

NCESL 49: Grammar for Non-Native Speakers of English

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course reviews basic grammar for non-native speakers of American English and emphasizes standard usage. Topics include parts of speech, clauses, verb forms and tenses, noun usage, mechanics, punctuation, and sentence types. This course is designed for non-native speakers who are making the transition to the use of academic English and who require the development of grammatical skills for educational and workplace success.

NCESL 50: English as a Second Language, Learning Lab

Prerequisites: None

Lecture 6 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is designed for students at any of the seven levels of noncredit ESL instruction who want to improve their listening, speaking, reading, and writing skills in small groups or individually based on their assessed proficiency level.

NCESL 53: Advanced Grammar for Writing for Non-Native Speakers of English

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course provides instruction and practice in the more complex elements of English grammar and usage in writing for non-native speakers of American English. By developing and refining grammatical skills, students learn to express complex ideas and create engaging, structurally sophisticated sentences in written English. Completion of this course enhances student success in college courses, particularly ENGL 100.

NCESL 55: Introduction to Academic Writing for Students from Multilingual Backgrounds

Prerequisites: None

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is designed for students from diverse language backgrounds who are making a transition to the use of academic English and who require the development of writing skills. The course emphasizes critical thinking, reading, and writing. It provides practice in gathering, organizing, and communicating information and in applying the principles and conventions of standard edited American English.

NCESL 57: Introduction to College Composition for Students from Multilingual Backgrounds

Prerequisites: None

Lecture 3.50 hours, laboratory 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course, designed for students from diverse language backgrounds, offers intensive practice in the writing process, critical reading, and critical thinking. It also provides practice in acquiring, synthesizing, and communicating information and in applying the principles and conventions of standard edited American English. The course focuses on integrating the acquisition of the English language, with emphasis on writing skills, through the lens of the student's own heritage, cultural identity, and unique experiences.

NCESL 62A: Workplace English as a Second Language (Intermediate)

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course prepares students at the low-intermediate to high-intermediate levels of non-credit ESL for a vocational program or career. Through English instruction for employment and academic skills needed to select a career and technical program, students develop English skills for workplace communication and job-search skills for entry-level job positions. This course also emphasizes the cross-cultural skills needed to function effectively in the workplace.

NCESL 62B: Workplace ESL (Advanced)

Prerequisites: None

Lecture 6 hours.

Course Typically Offered: Fall, Spring

This course prepares students for a vocational program by providing instruction in the language and academic skills needed to succeed in selected career and technical programs. This course also emphasizes the acquisition of the language and cross-cultural skills needed to function effectively in the workplace. (Formerly NCESL 62).

NCESL 62C: Bridge to College and Career ESL (Advanced)

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall or Spring

This course builds everyday career skills while supporting professional English language use. Students are given the opportunity to gain confidence through listening, speaking, reading, and writing practice that will bridge them to achieving educational and employment goals. Students in this course are strongly encouraged to attend this Bridge to College and Career ESL course in conjunction with career education courses in order for Bridge to College and Career ESL to support the learning progress and additional needs in career education courses. Students will be given the opportunity to discuss questions, concerns, and needs for review of concepts in their career education classes; as well as learn employability skills applicable to job positions in the community.

NCESL 65: English as a Second Language, Citizenship

Prerequisites: None

Lecture 6 hours.

Course Typically Offered: Fall, Spring, and Summer

This course provides intermediate and advanced ESL students with the basic knowledge and information necessary for becoming a United States citizen and a basic understanding of the rights and responsibilities of citizenship. Students study U.S. history and government, basic geography, and culture to prepare for the U.S. Citizenship and Immigration Services naturalization exam. Students study the process and samples of the required forms to successfully pass the naturalization examination.

NCESL 81: Basic Computers and Digital Literacy (BCDL) for ESL Students (Beginning Level)

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This computer class for beginning students in the Noncredit ESL program covers basic vocabulary related to technology and computers, email, word-processing, and presentation software. Students are exposed to keyboard lessons and activities to increase their accuracy. Students develop language skills (listening, speaking, reading, and writing) through individual, pair, and group work.

Continuing Education

NCESL 82: Computers and Digital Literacy (CDL) for ESL Students (Intermediate/Advanced Level)

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This computer class for intermediate/advanced students in the Noncredit ESL program covers vocabulary related to technology and computers. It also covers topics such as digital literacy, Internet, email, word-processing, presentation software, and spreadsheets. Students develop language skills (listening, speaking, reading, and writing) through individual, pair, and group work.

Short-Term Vocational

Noncredit Short-Term Vocational Instruction

The goal of adult education in California is to provide citizens of every age and educational level the opportunity to develop civic responsibility, a realization of the human potential, effective human relationships, and economic self-sufficiency. This broad goal forms the basis for the courses and programs MiraCosta College offers in each of the authorized categories of tuition-free noncredit instruction, including Short-Term Vocational.

Noncredit Short-Term Vocational instruction includes business office computer applications and automotive technology courses that prepare students for entry-level employment. Specific information is available on the Short-Term Vocational webpage.

Contact Information

Chair: Erica Duran

Dean: John Makevich

<https://www.miracosta.edu/academics/continuing-education/short-term-vocational/index.html>

Department: Short-Term

Vocational

Office: Community Learning Center, 1831 Mission Avenue, Oceanside, CA 92058, 760.795.8710

Certificate

Certificate of Completion

Affordable Housing Management

This certificate program is designed to empower, educate, and deliver the necessary tools and skills needed to be successful within the property management industry with a specific emphasis on affordable housing community management. The program's curriculum is the result of a collaboration between MiraCosta College's Short Term Vocational Program and the San Diego Housing Federation (SDHF), our region's strongest advocate for more affordable housing. The SDHF was formed as a 501(c)3 charitable non-profit with the goal of strengthening the non-profit affordable housing development industry in San Diego County through education, outreach, and support of important programs and legislation.

The program consists of two short-term courses. Students begin with an introductory course that covers the essential duties of a manager for a multi-family residential community. Students collaborate with industry mentors who provide guidance in

areas such as career path counseling, interview skills, and resume writing skills.

Students who complete the program are well-prepared to emerge within the property management industry and bring their life experiences to impact not only the industry, but also the residents in affordable housing communities.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be prepared to enter the workforce as a property manager in affordable housing.

Required courses:

NCAHM 50	Introduction to Affordable Housing Management
NCAHM 51	Emerging Leaders in Affordable Housing Management

Total Courses Required: 2

Certificate of Completion

Computer Applications - Microsoft Word

This certificate demonstrates that students have successfully completed beginning and intermediate courses in Microsoft Word that prepares them for employment.

Program Student Learning Outcome Statement

- Upon completion of this program, students will demonstrate intermediate use of Microsoft Word including word processing shortcuts, document formatting, templates, tables, mail merge, and the ability to import information from other applications.

Required courses:

NCVOC 31	Beginning Microsoft Word
NCVOC 32	Intermediate Microsoft Word

Total Courses Required: 2

Certificate of Completion

Computer Applications - Microsoft Excel

This certificate demonstrates that students have successfully completed Beginning and Intermediate Microsoft Excel courses that prepare them for employment.

Program Student Learning Outcome Statement

- Upon completion of this program, students will demonstrate intermediate use of Microsoft Excel including Excel shortcuts, creating and formatting spreadsheets, using formulas and functions to calculate data, selecting appropriate chart types to convey data, and managing large and multifaceted workbooks utilizing filters, what-if scenarios and sorting.

Required courses:

NCVOC 39	Beginning Microsoft Excel
NCVOC 40	Intermediate Microsoft Excel

Total Courses Required: 2

Certificate of Completion

Google Apps

This certificate demonstrates that students have successfully completed beginning and intermediate courses in Google Apps that prepare them for usage of the apps in academic work and employment.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to demonstrate intermediate use of Google Apps for academic and workplace tasks.

Required courses:

NCVOC 33	Basic Google Apps
NCVOC 34	Intermediate Google Apps

Total Courses Required: 2

Certificate of Completion

Horticulture Basics

This short-term (two course) career education horticulture program exposes students to careers and the basic skills needed to gain entry-level horticultural employment, such as in nursery, garden center, landscape maintenance, or agricultural settings. The program also aids students in preparing for college-level (credit) courses in horticulture.

Program Student Learning Outcome Statement

- Upon completion of this program, students will demonstrate knowledge of basic terms, procedures, safety, and maintenance practices for a home and/or professional garden.

Required courses:

NCHORT 5	Garden Planting and Maintenance
NCHORT 10	Introduction to Sustainable Horticulture

Total Courses Required: 2

Certificate of Completion

Office Clerk

Students learn essential technology, office, and soft skills necessary for an entry-level position as an office clerk.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to demonstrate the skills needed to enter the workforce as entry-level office clerks.

Required courses:

NCVOC 31	Beginning Microsoft Word
NCVOC 39	Beginning Microsoft Excel
NCWFP 11	Applied Computer Skills
NCBOT 20	Word Processing
NCBOT 30	Office Skills and Procedures

Total Courses Required: 5

Certificate of Completion

Teacher's Aide Training

This short-term (two course minimum) career education certificate exposes students to the basic skills needed to gain entry-level employment as a classroom or academic instructional aide/paraprofessional. The certificate may also assist students in preparing for college-level (credit) courses in child development, education, and/or special education.

Program Student Learning Outcome Statement

- Upon completion of this program, students will be able to demonstrate knowledge of basic terms, procedures, and technologies used by an instructional aide in an academic environment.

Students must take at least two courses from the following list:

NCWFP 40	Teacher's Aide Training - The Basics
NCWFP 41	Teacher's Aide Training - Educational Technologies
NCWFP 42	Teacher's Aide Training - Special Education

Total Courses Required: 2

Short-Term Vocational Courses

NCAHM 50: Introduction to Affordable Housing Management

Prerequisites: None

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring

This course introduces students to property management and leadership with an emphasis on affordable housing and multi-family properties. Students learn about the laws and regulations that govern affordable housing to prepare them for the day-to-day duties of a property manager. They also complete a combination of coursework and activities modeling real-world scenarios. In partnership with current and former industry professionals serving as volunteer mentors, students begin building practical skills necessary to successfully manage a multi-family property.

NCAHM 51: Emerging Leaders in Affordable Housing Management

Prerequisites: NCAHM 50

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course expands on the skills learned in Introduction to Affordable Housing Management. It prepares students to complete financial reports and documents common for property managers, develop effective relationships with various stakeholders, and demonstrate advanced leadership and problem-solving strategies through an active mentorship with an industry professional.

NCBOT 10: Keyboarding Skills

Prerequisites: None

Lecture 1 hour.

Course Typically Offered: Fall, Spring, and Summer

This keyboarding course focuses on correct finger placement and technique, using the numeric keypad for data entry, and increasing speed and accuracy. Students use a guided online software program to learn proper typing posture, to practice the alphabetic and numeric keypads, and to build keyboarding proficiency, accomplishing a speed of approximately 30 words per minute with fewer than five errors.

NCBOT 11: Advanced Keyboarding

Prerequisites: None

Lecture 1 hour.

Course Typically Offered: Fall, Spring, and Summer

This advanced keyboarding course focuses on increasing speed and accuracy for students who know the alphabetic keyboard. Students use a guided software program to plan a strategy for skillbuilding drills and techniques. Offered pass/no pass only.

NCBOT 12: Ten Key

Prerequisites: None

Lecture 1 hour.

Course Typically Offered: Fall, Spring, and Summer

This course teaches students how to use the numeric keypad for data entry. Students use a guided software program to build keyboarding proficiency. Offered pass/no pass only.

NCBOT 20: Word Processing

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

In this course, students practice basic operations of a word processing application while creating business documents. Assignments include letters, memos, reports, tables, announcements, newsletters, mail merge, graphics, electronic messaging, Internet research, and projects designed to provide workplace simulation experiences.

NCBOT 25: Basic Office Skills

Prerequisites: None

Lecture 1 hour.

Course Typically Offered: Fall, Spring, and Summer

This course emphasizes the practical skills needed for working in a modern business office. Students learn office support, communication, and problem-solving skills, including how to manage files, records, and financial accounts, process business documents, and communicate effectively with clients, customers, and coworkers.

NCBOT 30: Office Skills and Procedures

Prerequisites: None

Advisory: NCBOT 10

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course emphasizes the practical skills needed for working in a modern business office. Students learn office support, communication, and problem-solving skills, including how to manage files, records, and financial accounts, process business documents, and communicate effectively with clients, customers, and coworkers. Students also learn how to plan and coordinate business travel arrangements.

NCBOT 35: Management Office Skills

Prerequisites: None

Lecture 1 hour.

Course Typically Offered: Fall, Spring

This course presents information and applications for those seeking management office skills. Workplace applications and assignments present scenarios and case studies that emphasize supervisory office skills, such as communication, leadership, teamwork, evaluation, conflict resolution, training, decision making, and scheduling.

NCHORT 5: Garden Planting and Maintenance

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This noncredit horticulture course provides students with lessons and activities in basic skills and safety procedures used in lawn maintenance, tree and shrub pruning, basic irrigation repair, and weed control strategies. Students also examine examples of well-planned gardens, recognize and implement a simple garden plan, maintain garden areas, and participate in the propagation of garden plants to fulfill landscape and garden goals.

NCHORT 10: Introduction to Sustainable Horticulture

Prerequisites: None

Lecture 1 hour, laboratory 3 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces sustainable horticulture principles and practices in gardening, landscaping, nursery management, and floriculture. Topics include basic botany, cultural practices, propagation, structures and layout, pest management, planting, container gardening and houseplants, floral design, plant identification, and career opportunities. Students are required to participate in field labs and field trips.

NCNUR 50: Introduction to Healthcare and Careers

Prerequisites: None

Lecture 5 hours.

Course Typically Offered: Fall, Spring, and Summer

This course offers an overview of the healthcare industry, career opportunities, and the fundamental knowledge required of healthcare professions. Topics include strategies for academic and professional success, business and financial aspects of healthcare, workplace communication, and legal, ethical, and safety issues in healthcare. This course provides content related to medical terminology, diseases, math and computer basics, and employment readiness.

NCVOC 31: Beginning Microsoft Word

Prerequisites: None

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to word processing using basic formatting tools and features of Microsoft Word to create various business and personal documents such as letters, reports, and flyers. This course is one of two that leads to a Certificate of Completion in Computer Applications - Microsoft Word.

NCVOC 32: Intermediate Microsoft Word

Prerequisites: None

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is a continuation of the skills taught in Beginning Microsoft Word. Students explore the many shortcuts and document formatting tools of Microsoft Word including mail merge, templates, advanced tables, and importing information from other applications. This course is the second in a series that leads to a Certificate of Completion in Computer Applications - Microsoft Word.

NCVOC 33: Basic Google Apps

Prerequisites: None

Advisory: NCVOC 38 and/or NCESL 82. Students should have basic computer skills to be successful in the class.

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course offers an introduction to the basic features of three Google apps: Gmail, Docs, and Slides. Students practice creating documents and presentations that mirror academic and workplace tasks in three of the most commonly used Google apps.

NCVOC 34: Intermediate Google Apps

Prerequisites: None

Advisory: NCVOC 38 and/or NCESL 82. Students should have basic computer skills to be successful in the class.

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course offers an introduction to the basic features of three Google apps: Google Sheets, Google Forms, and Google Calendar. Students practice creating spreadsheets and surveys that mirror academic and workplace tasks in these three commonly used Google apps.

NCVOC 35: Internet

Prerequisites: None

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to Internet usage skills, safety, and privacy considerations. Students learn to access webpages, search for information, bookmark favorite locations, set up/manage an email account and homepage, and develop an awareness of online etiquette, ethics, and cautionary issues within the Internet environment.

NCVOC 37: Microsoft Powerpoint

Prerequisites: None

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to PowerPoint. Students develop an understanding of how to create an effective PowerPoint presentation. The course emphasizes developing a presentation that includes title slide, table of contents, sound, animation, graphics, and transitions. Previous experience using computers is recommended.

NCVOC 38: Computer Basics/Keyboarding

Prerequisites: None

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the Windows environment as well as to computer terminology, hardware, and software. Students develop skills in creating and saving files; learn basic Internet definitions, and navigate using several web browsers. Students also learn fundamental keyboarding skills. No previous computer skills are required.

NCVOC 39: Beginning Microsoft Excel

Prerequisites: None

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to Microsoft Excel and the ability to create, format, and use formulas and chart tools to create professional business worksheets and reports that can be updated efficiently. This course is one of two that leads to a Certificate of Completion in Computer Applications - Microsoft Excel.

NCVOC 40: Intermediate Microsoft Excel

Prerequisites: None

Lecture 1.50 hours.

Course Typically Offered: To be arranged

This course is a continuation of the skills taught in Beginning Microsoft Excel and is intended for students to further their knowledge in Microsoft Excel, the industry standard. This comprehensive course includes more advanced features of Excel, such as pivot tables, what-if analysis, three-dimensional worksheets, goal seek, and collaborative tools. This course is the second of two that leads to a Certificate of Completion in Microsoft Excel. Previous experience using Microsoft Excel or completion of Beginning Microsoft Excel is recommended.

NCVOC 43: Introduction to Career Education

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: To be arranged

This noncredit course provides students with an overview of pathways to high demand, high wage careers. Students explore career education courses, certificates, and degree programs at MiraCosta College that will enhance their career opportunities and/or transfer to four-year college and university programs in their career pathways.

NCVOC 50: Basic Auto Maintenance

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: Fall, Spring

This course covers the basic theory and operation of the internal combustion engine, including fuel, cooling, and ignition systems. It also introduces students to the fundamentals of tailpipe emissions and emission controls. At the end of this course, students will have the knowledge to perform a vehicle inspection and basic service on their own vehicles including tires, batteries, brakes, and fluid services.

Workforce Preparation Courses

NCWFP 11: Applied Computer Skills

Prerequisites: None

Lecture 3 hours.

Course Typically Offered: To be arranged

In this course, students develop essential computer and information technology skills for workplace and educational success. Students develop skills in using word processing software; access, evaluate, and utilize information resources using the Internet and Web browsers; and get experience with a learning management system. Previous experience using computers, or completion of NCVOC 38 Computer Basics/Keyboarding class, is recommended.

NCWFP 21: Employability Skills

Prerequisites: None

Lecture 6 hours.

Course Typically Offered: Fall, Spring

This course provides students with fundamental job exploration and workplace readiness skills. It covers topics related to personal career profile, preferred occupations, the job search process, professional image, accommodation needs, transportation, local support agencies, and workplace communication and behavioral norms.

NCWFP 40: Teacher's Aide Training - The Basics

Prerequisites: None

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is one of three teacher's aide training courses designed to provide job seekers and/or current professionals with a well-rounded education on the duties of today's instructional aide/paraprofessional. Students use this course to learn, retrain, or improve their knowledge of the basics skills needed to support a lead teacher in a K-12 and/or adult education environment. Students also take this course to improve their resumes and/or as pathway to courses and programs in the areas of child development, education, and/or special education.

NCWFP 41: Teacher's Aide Training - Educational Technologies

Prerequisites: None

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is one of three teacher's aide training courses designed to provide job seekers and/or current professionals with a well-rounded education on the duties of today's instructional aide/paraprofessional. The course focuses specifically on the roles and responsibilities of an instructional aide supporting students using a variety of educational technologies. Students may also take this course to improve their resumes and/or as a pathway to courses and programs in the areas of child development, education, and/or special education.

NCWFP 42: Teacher's Aide Training - Special Education

Prerequisites: None

Lecture 1.50 hours.

Course Typically Offered: Fall, Spring, and Summer

This course is one of three teacher's aide Training courses designed to provide job seekers and/or current professionals with a well-rounded education on the duties of today's instructional aide/paraprofessional. The course focuses specifically on the roles and responsibilities of an instructional aide supporting students with special education needs in both general education (inclusive) and special education classroom environments.

Community Education & Workforce Development

www.miracosta.edu/instruction/communityservices/

Community Services offers classes and programs that provide community members with opportunities to learn, grow, and develop. Community Education classes are available to anyone who registers online or with the Community Education office. You do NOT need to be a credit student. Classes offered through Community Education are not funded with tax dollars. Enrollment fees keep this valuable program going.

Work Skills and Certification Training

MiraCosta provides a wide selection of accelerated, hands-on job training in advanced manufacturing, engineering, emerging technologies, healthcare, veterinary science, and professional skills training. Graduates find it easy to jump right into jobs using the skills they have learned or to receive higher wages in their current jobs due to an increase in skill level. Scholarships and financial aid are available. More information is available on the Work Skills and Certification Training webpage.

Enrichment Classes

Life-long learning and professional growth classes are available each semester at an affordable price to help enhance confidence, skills, and enjoyment of life. Explore and upskill in the latest trends in arts, computers, cooking, finance, and

more! Classes are listed in the Community Education Bulletin and on the Enrichment webpage.

College for Kids

Kids can build video games and apps, launch rockets, or discover the secrets of Hogwarts. Information about this summer program is available on the College for Kids webpage.

Employee Training Solutions

MiraCosta provides customized business training to meet the requirements of both growing and established employee-training and management-development programs. The MiraCosta College Office of Contract Education and Training specializes in designing and delivering appropriate and comprehensive customized programs to meet companies' specific training and education needs. More information is available on the Employee Training Solutions webpage.

English Language Institute (ELI)

ELI offers international students the opportunity to increase their English language proficiency and develop the skills needed for success in a college or university in the United States. The program is designed for students with a minimum of one year English language training at a high school or college level. More information, including how to apply, is available on the English Language Institute webpage.

Driver's Education

Obtain your California driver's license with classroom or online education and behind-the-wheel driver's training. Enrollment information is available on the Driver's Education webpage.

Academic Standards & Policies

The background of the page is a solid light blue color. Overlaid on this are several large, flowing, wavy bands of a slightly darker shade of blue. These bands originate from the top left and curve downwards and to the right, creating a sense of movement and depth. The waves vary in thickness and intensity, with some areas appearing more saturated than others.

Academic Freedom

The MiraCosta College Community College District recognizes the free pursuit of knowledge and the free exchange of ideas as core tenets of academic freedom.

As a fundamental concept, academic freedom ensures institutions of higher education function for the common good and are constructed on a foundation of genuine trust. It represents an understanding of mutual respect in valuing how faculty and students engage in conversations and learning. The district superintendent/president and Board of Trustees will actively and openly work toward fostering an environment characterized by openness, tolerance, and civility and an atmosphere in which intellectual freedom exists and is protected for all constituencies, including faculty and students.

Academic freedom must always be accompanied by academic responsibility. This responsibility emphasizes the obligation to examine, test, and interpret all knowledge appropriate to a discipline or major area of study, to avoid bias on controversial topics, and to present conclusions and interpretations supported by evidence with consideration for the impact on students and colleagues. Employees and students should at all times strive for accuracy and engage in respectful discourse, especially when opinions differ. All constituencies must be mindful of the district's policies on ethical conduct (BP 3050), diversity, equity, and inclusion (BP 3400), non-discrimination (BP 3410), and equal opportunity (BP 3420).

To promote and support the intellectual, socioeconomic, and socioemotional growth of students, all faculty require the assurances and protections academic freedom affords. Academic decisions should be based solely on intellectual standards that are relevant to the subject matter under consideration and consistent with the institution's mission and core values. Neither students nor faculty shall be disadvantaged or evaluated on the basis of their views and perspectives. The district will defend and support any tenured or untenured faculty member who, while maintaining the high standards of the profession, finds their freedom of expression attacked or curtailed.

In the classroom context, both virtual and in person, faculty are expected to present data and information fairly and objectively, to ensure students have access to varying points of view, and to acknowledge and defend the free inquiry of students in the exchange of criticism and ideas. Academic freedom gives students the right to express and to defend their views, to question, and to differ with the views of their instructors or the district without penalty. Academic freedom gives faculty the right to distinguish between personal conviction and professionally accepted views in a discipline and to interpret their fields and communicate conclusions without interference or penalty.

Outside of the classroom setting, faculty have the right to research, present, and publish without interference or sanction, subject to the adequate performance of their other academic duties. Research for financial gain shall be based upon an understanding with the MiraCosta Community College District

as outlined in Board Policy/Administrative Procedure 3715: Intellectual Property. When faculty speak or write as citizens, authorities of their discipline, and community representatives of MiraCosta College, they should be free from institutional censorship or discipline, but this freedom carries with it a responsibility to at all times be accurate, exercise appropriate restraint, show respect for the opinions of others, and make every effort to indicate they are not speaking on behalf of the institution.

(Source: MCCD Board Policy 4030. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Academic Integrity & Appeal Process

Academic Integrity

MiraCosta College highly values academic integrity. At the core, this means producing an honest representation of one's own work. MiraCosta College also promotes the approach that education is best accomplished as a cooperative, collaborative enterprise in which students are encouraged to work with and learn from each other. The line between academic integrity and collaborative education is not always easy to define and may vary from one discipline to the next and from one instructor to the next. Many aspects of cheating and plagiarism are universally recognized, while others are subject to debate. This policy provides general guidelines that outline common definitions of academic dishonesty and affirms the right of instructors to employ more detailed academic integrity policies according to their preferences and practices when teaching their respective courses. Faculty are encouraged to outline their policies on their course syllabus. Students are encouraged to review each course syllabus to understand the academic integrity policies of the faculty and course. Examples of academic dishonesty include, but are not limited to, the following:

- A. Cheating: Copying another person's work or using unauthorized aids, including technology such as cell phones or watches, during an examination, quiz, or assignment.
- B. Plagiarizing: Copying someone else's work or ideas and misrepresenting them as one's own.
- C. Falsification: Making up fictitious information and presenting it as factual or altering records for the purpose of misrepresentation.
- D. Facilitation: Helping another student to cheat, plagiarize, or falsify information. This can include writing a paper for another student, referring a student to a website that offers services that fall under the aforementioned examples of academic dishonesty, or knowingly allowing a student to copy your own work.

There are two areas that address concerns about behavior that may be deemed a violation of academic integrity. These areas are: (1) faculty-initiated remedies and (2) referrals to the

Office of Student Affairs to address alleged violations of AP 5500: Standards of Student Conduct.

(1) Faculty-initiated remedies for violations of academic integrity may include a verbal warning, a lowered assignment grade, and/or submission of an academic integrity report to the Office of Student Affairs. Instructors may consult with the dean of Student Affairs or their designee to review appropriate remedies per state statutes and codes. Students have the right to appeal faculty-initiated remedies as outlined in Administrative Procedure 5505: Academic Dishonesty - Appeal Process.

(2) Faculty are encouraged to submit reports of alleged violations of Administrative Procedure 5500: Standards of Student Conduct to the Office of Student Affairs. The Office of Student Affairs provides an educational experience for students when there are alleged violations of the Standards of Student Conduct to decrease the likelihood of recurrence. In particular, if the student has allegedly violated the Standards of Student Conduct before, the Office of Student Affairs may address alleged violations as outlined in Administrative Procedure 5520: Student Conduct Procedures.

See Administrative Procedure 5500: Standards of Student Conduct and Administrative Procedure 5520: Student Conduct Procedures for additional information.

Academic Dishonesty Appeal Process

MiraCosta College highly values academic integrity. As outlined in Board Policy 5505: Academic Integrity, students have the right to appeal a faculty-initiated academic dishonesty decision and/or remedy. This means that any student who is determined by a faculty member to have engaged in behavior that is deemed a violation of their academic integrity policy such as cheating, plagiarizing, falsification of information, or helping other students to cheat, etc., has the right to appeal a faculty member's decision and/or remedy (e.g., lowering of a grade as result of behavior deemed a violation of the faculty member's academic honesty policy). Please note that this policy is specific to faculty-initiated decisions and/or remedies in response to claims of academic dishonesty. All appeal requests that involve decisions and/or resolutions determined by the Office of Student Affairs must follow the processes and conditions as outlined in Administrative Procedure 5520: Student Conduct Procedures. The process to appeal a faculty decision (and/or remedy) is as follows:

A. Within ten (10) days, the student may appeal the faculty member's action by submitting a written appeal request to the department chairperson via email. The written request should include a description of the alleged behavior in question, the faculty member's decision and/or remedy, detail what the student is specifically appealing (decision and/or remedy), and any information the student deems relevant that they would like to include. The department chairperson must respond to the student in writing within ten (10) days of when the appeal was submitted with their decision. The chairperson's decision may be to uphold the faculty member's decision and/or remedy, to overturn the faculty member's decision and/or to modify the faculty member's decision and/or remedy.

B. If the student wishes to appeal the department chairperson's decision, they may make a final written appeal to the Vice President, Instructional Services, within ten (10) days of receiving

the chairperson's decision. The vice president's decision is final and will be delivered to the student within ten (10) days via email.

C. A successful appeal of a faculty member's determination that a student has been academically dishonest does not automatically change the final grade in the course. To appeal the final grade in a course, the student must follow the procedures outlined in Administrative Procedure 4231 on grade changes.

(Source: MCCC Board Policy and Administrative Procedure 5505. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Academic Progress, Probation & Probation Appeal Process

In general, students at MiraCosta College are expected to make satisfactory progress toward completing courses. After preliminary adjustments in programs—usually completed within the first two weeks of a regular term—the student is expected to complete the courses chosen.

At times, for a variety of reasons, students either do poorly in coursework or withdraw from courses prior to completion. This policy has identified the point at which a student is felt to be operating below a satisfactory level.

Note: Students should contact the Financial Aid Office regarding academic progress requirements for federal aid eligibility. Different requirements will apply.

Academic and Progress Probation

Academic and progress probation policies apply to college-credit students only.

Academic probation—A student shall be placed on academic probation if the student has attempted a minimum of 12 semester units resulting in an evaluative grade and has a grade point average of less than a "C" (2.0).

Progress probation—A student shall be placed on progress probation if the student attempted a total of at least 12 semester units and 50 percent or more of units attempted resulted in grades of "W"—withdrawal, "I"—incomplete, "NC"—no credit, or "NP"—no pass. A student who is placed on probation may submit an appeal to the Committee on Exceptions in accordance with procedures to be established by the superintendent/president.

Academic and progress probation are calculated for the spring and fall semesters on the basis of the student's enrollment after the deadline to drop without a "W"—withdrawal. Summer grades are included in overall calculations for the spring and fall semesters. Probation is posted on the student's permanent record.

The Admissions and Records Office shall make every reasonable effort to notify a student of academic and progress

Academic Standards & Policies

probation in a timely manner. Upon notification of probation, the student shall be directed to see a counselor prior to the next registration period to discuss ways in which the student can improve academic achievement. Information on support services and appeal procedures will be included in the notification.

Removal from Probation

A student on **academic probation** for a grade point deficiency shall be removed from probation when the student's cumulative grade point average is 2.0 or higher.

A student on **progress probation** because of an excess of units for which entries of "W"—withdrawal, "I"—incomplete, "NC"—no credit, or "NP"—no pass are recorded shall be removed from probation when the percentage of units in this category drops below 50 percent.

Removal indicates no academic or progress probation notations for the successful term and does not mean removal of previous notations.

Academic and Progress Dismissal

At the end of each semester, a student who is on **academic probation** after two consecutively enrolled semesters shall be subject to dismissal if the student earned a cumulative grade point average of less than 2.0 in all units attempted.

At the end of each semester, a student who has been placed on **progress probation** shall be subject to dismissal if the percentage of units in which the student has been enrolled for which entries of "W"—withdrawal, "I"—incomplete, "NC"—no credit, or "NP"—no pass are recorded in at least two consecutive semesters reaches or exceeds 50 percent. (Summer intersession is not considered a consecutive term or semester.)

For the purpose of dismissal, semesters shall be considered consecutive on the basis of the student's enrollment after the deadline to drop without a "W"—withdrawal, so long as the break in the student's enrollment does not exceed one full primary term. Dismissal is posted on the student's permanent record.

Notification of Dismissal

The Admissions and Records Office shall make every reasonable effort to notify a student of academic and progress dismissal in a timely manner.

Upon notification of dismissal, the student shall be directed to sit out for one regular semester, consult with a counselor to determine whether the reasons that led to the dismissal have been sufficiently corrected to enable improved performance, and submit a new credit application upon return to the college if they sat out for two or more primary semesters. Information on support services and appeal procedures will be included in the notification.

Fall Dismissals

Special circumstances exist for dismissals after the fall semester due to the fact that students enroll prior to fall grades becoming available.

1. A student who is enrolled in the subsequent spring semester will be permitted to continue on probation without submitting an appeal. Dismissal status will be reevaluated at the end of the spring semester.
2. A student who is not enrolled in the subsequent spring semester has the right to appeal by submitting a petition to the Committee on Exceptions. Students who have not enrolled in the spring will be dismissed unless their petition is approved.

Spring Dismissals

1. A student who is enrolled in the subsequent summer intersession will be permitted to continue on probation without submitting an appeal for the summer only.
2. A student who is enrolled in the subsequent fall semester has the right to appeal by submitting a petition to the Committee on Exceptions. Provided the petition is approved, the student will be permitted to continue on probation for the fall semester; otherwise, the student will be removed from classes for the fall.

Reinstatement Following Dismissal

A student who has been dismissed for academic and/or progress reasons may be reinstated when the student (a) does not attend for one primary semester (fall/spring), and (b) consults with a counselor to determine whether the reasons that led to dismissal have been corrected sufficiently to improve academic achievement.

Students who believe their dismissal should be reconsidered after being notified of dismissal must immediately petition the Committee on Exceptions. It is the student's responsibility to indicate on the petition a clear statement of the grounds on which continued enrollment should be granted and to provide evidence supporting the reasons.

The decision of the Committee on Exceptions will be communicated to the student in writing by the dean of Counseling and Student Development. The student may appeal the decision of the Committee on Exceptions in writing to the vice president of Student Services or designee within 30 days of the date of notification of the decision of the Committee on Exceptions. The decision of the vice president is final.

If the dismissal appeal is granted, the student will continue on probation for an additional semester. At the end of the additional semester, the student's academic record will be evaluated to determine whether the student may be removed from probation, be dismissed, or continue on probation.

Disqualification of Veterans Affairs Educational Benefits

When a veteran student or benefit-receiving dependent is placed on academic or progress probation for a second consecutive semester (not including summer session), the student becomes ineligible to receive veterans benefits for any subsequent semesters until the student has earned academic "good standing" by earning a 2.0 grade point average or above and falls below the 50 percent threshold for total "W"—withdrawals, "I"—incompletes, "NC"—no credits, or "NP"—no-pass grades, regardless of the number of units completed. After two consecutive semesters on probation, MiraCosta College's probation and dismissal policy may allow a veteran to enroll for another term, but the Department of Veterans Affairs will not

allow certification for benefits. Students who are academically dismissed have possible options for reinstatement for enrollment purposes, but again will not be eligible for benefits until the overall grade point average for MiraCosta College courses meets or exceeds 2.0 grade point average and the percentage of withdrawals, incompletes, no credits, or no-pass grades is less than 50 percent for all MiraCosta College courses combined.

Students who are disqualified from receiving Veterans Affairs educational benefits may appeal the disqualification to the Veterans Education Benefits Disqualification Committee and seek restoration of eligibility for benefits for any of the following reasons:

1. The immediately preceding semester MiraCosta College grade point average has improved significantly.
2. Documented extenuating circumstances beyond the control of the student.
3. The combined grade point average from MiraCosta College and other regionally accredited institutions of higher education, for coursework completed after disqualification, meets or exceeds district academic standards.

Committee on Exceptions

The Committee on Exceptions deals with the occasional need to deviate from policy or procedure (e.g., course repetition, retroactive withdrawal, retroactive drop, dismissal reinstatement). In cases where students feel that such a deviation can be justified by verified extenuating circumstances, they may petition to the Committee on Exceptions within three years when a course is involved and should contain at least the following:

- ▶ Clear statement of why the committee should feel compelled to grant the request.
- ▶ Documentation of extenuating circumstances.

The Committee on Exceptions is composed of the dean of Counseling and Student Development, chair; the director of Admissions and Records; a Counseling faculty and additional faculty representatives as assigned.

A student who is subject to dismissal may submit a petition to the Committee on Exceptions in compliance with administrative procedures. Dismissal may be postponed and the student continued on probation if the student shows evidence of extenuating circumstances or shows significant improvement in academic achievement.

Students requesting a grade change from one evaluative symbol to another should first attempt to discuss the request informally with the instructor within 60 instructional days and if not resolved satisfactorily, escalate the request as outlined in MCCC Administrative Procedure 4231.

Students who have been indirectly or directly impacted by COVID-19 may submit a petition for an Excused Withdrawal for a course taken in spring, summer, or fall 2020 or spring or summer 2021. Petitions submitted retroactively will be accepted and no documentation is required. Students should state clearly in the petition that they were impacted to receive consideration. Students impacted by COVID-19 beyond

summer 2021 should check for additional information on the Committee on Exceptions website at www.miracosta.edu/coe.

(Sources: MCCC Administrative Procedures 4250 and 4255. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Academic Renewal

Academic renewal procedures permit a maximum of 30 units of previously recorded substandard coursework to be disregarded in the computation of a student's grade point average if it is not reflective of a student's demonstrated ability.

The units proposed for exclusion must have been taken at MiraCosta College at least one year prior to the petition, and the student must have completed a minimum of 15 units with a grade point average of 2.0 or better (on a 4.0 scale) subsequent to the completion of the units the student is petitioning to exclude. No units may be excluded for coursework that has previously been used to fulfill degree, certificate, or transfer certification requirements.

Students must meet with a counselor prior to submitting their petition for academic renewal to the office of Admissions and Records. Students should also consult with the Financial Aid Office to determine the potential impact of academic renewal on aid eligibility.

The excluded units remain on the record annotated as academic renewal. No excluded units can be reinstated. The permanent academic record shall be annotated in such a manner that all work remains legible, ensuring a true and complete academic history. These procedures shall not conflict with the district's obligation to retain and destroy records or with the instructor's ability to determine a student's final grade.

(Source: MCCC Administrative Procedure 4240. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Alcohol, Drugs & Smoking on Campus

Drug-Free Environment

The district is committed to providing its employees, students, student workers, and volunteers with a drug free workplace and campus environment. It emphasizes prevention and intervention through education.

Health Services provides confidential mental health counseling for students who have questions or concerns about their use of alcohol or use of other substances, referral to community resources such as alcohol and drug treatment, as well as smoking-cessation information and referral.

Prohibition of Drugs and Alcohol

The unlawful manufacture, distribution, dispensing, possession, or use of alcohol or any controlled substance is prohibited on district property, during district-sponsored field trips, activities or

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workshops, and in any facility or vehicle operated by the district, except as permitted in Administrative Procedure 3560, Alcoholic Beverages.

Violation of this prohibition will result in appropriate action up to and including termination of employment, expulsion, and referral for prosecution, or, as permitted by law, may require satisfactory participation in an alcohol- or drug-abuse-assistance or rehabilitation program.

As a condition of employment, employees must notify the district within ten (10) calendar days of any conviction for violating a criminal drug statute while in the workplace. The district is required to inform any agencies that require this drug-free policy within ten (10) calendar days after receiving notice of a workplace drug conviction.

Smoking on Campus

MiraCosta College is a tobacco/smoke/vapor-free institution. Smoking or the use of any tobacco product is prohibited at all campus sites. Students, employees, and visitors to the campuses of MiraCosta College are permitted to use tobacco products and/or vapor-producing implements in their personal vehicles only. Because MiraCosta College is committed to providing a safe and healthy working and learning environment for all students, faculty, employees and visitors, smoking or the use of any tobacco product is prohibited at all campus sites. The use of electronic cigarettes or other vapor-producing implements is also prohibited.

(Sources: MCCC Board Policy/Administrative Procedure 3550; MCCC Board Policy/Administrative Procedure 3560; MCCC Board Policy/Administrative Procedure 3570. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Attendance

Students are required to attend the first class meeting and arrive on time or they may be dropped from the class. Students taking online courses should log in to the course on the first day of class. Directions for logging in are located at www.miracosta.edu/cybercosta.

Instructors are required to drop inactive students no later than the end of the last business day before the census date. Inactive students include those who have been identified as no-shows, those who have officially withdrawn from the class, and those who are no longer participating in the class. "No longer participating" includes, but is not limited to, excessive unexcused absences but must relate to nonattendance. In an online environment, nonparticipation in class activities will be interpreted as nonattendance. (See class syllabi for census date and class attendance policies, including what constitutes excessive absences.)

Instructors are allowed to drop students who are no longer participating in a class through the 75 percent point of the term, but they are not required to do so. A student who does not take responsibility for dropping a class may receive an "F" as a final grade.

Students who choose to drop a class are responsible for doing so using the SURF online registration system or in person at the Admissions and Records Office.

(Source: MCCC Administrative Procedure 5075. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Complaints

MiraCosta Community College District employees make every effort to serve their community courteously and efficiently while acting in accordance with district policies and state and federal laws. Individuals dissatisfied with a campus policy or the conduct of a college employee may bring a concern to the attention of the appropriate faculty, staff, or administrator at any time. Concerns should be addressed at the level where the incident occurred before escalation to the level of a complaint.

Types of Complaints

Any student who believes a decision or action by an instructor, a college official, or another student has adversely affected their **status, rights, or privileges as a student** should follow the procedures described on the Student Rights & Grievances (p. 422) page and in Administrative Procedure 5530, which is available on the Board of Trustees website.

Grievances related to **course grades** are addressed in Board Policy 4231, Grade Changes, and Administrative Procedure 4231, which are available on the Board of Trustees website.

Complaints about **parking tickets** should be directed to the MiraCosta College Police Department.

Procedures for filing an **unlawful discrimination** complaint are outlined on the Harassment & Unlawful Discrimination (p. 408) page as well as in Administrative Procedure 3435, which is available on the Board of Trustees website.

For grievances related to **sexual harassment, sexual assault, and physical abuse**, students may connect with a Title IX coordinator or deputy Title IX coordinator or may complete a CARE Referral to request that a Title IX team member contact them. The Title IX coordinator, or deputy Title IX coordinator, will assist students with resolution processes and support available to them. Staff members in those areas will assist students with the correct processes for resolution. Complaint and investigation policies and procedures related to harassment and discrimination (including sexual assault, sexual violence, dating violence, stalking, and domestic violence) can be found in Board Policy 3433: Prohibition of Sexual Harassment under Title IX, Administrative Procedure 3433: Prohibition of Sexual Harassment under Title IX, Administrative Procedure 3434: Responding to Harassment under Title IX, and Administrative Procedure 3435: Discrimination and Harassment Complaints and Investigations. Separately, students are also welcome to report concerns to the MiraCosta College Police Department if they are seeking police assistance.

Additional Resources

For formal complaints regarding MiraCosta College's compliance with academic program quality and accrediting standards:

- **Accrediting Commission for Community and Junior Colleges (Western Association of Schools and Colleges):** <http://www.accjc.org/complaint-process>

For formal complaints about one of MiraCosta's specialized academic programs (Registered Nursing, Licensed Vocational Nursing, Certified Nursing Assistant, or Adult High School), see the Accreditation (p. 4) page for contact information.

Course Repetition

"Course enrollment" occurs when a student receives an evaluative (A, B, C, D, F, P/CR, NP/NC) or non-evaluative (I, IP, RD, W) symbol for a course. Non-evaluative grades of EW and MW are not counted as an enrollment for purposes of course repetition. Enrollments include any combination of withdrawals and repetition.

A student may withdraw and receive a "W" symbol on their record for enrollment in the same course no more than three times.

"Course repetition" occurs when a student who has previously received an evaluative symbol in a particular course re-enrolls in that course and receives another evaluative symbol. MiraCosta College, in accordance with Title 5, allows repetition to occur only under the following circumstances.

The Course Has Been Designated as Repeatable

If a course is designated as repeatable in its catalog description, then it meets one of the following criteria:

- It is a major preparation course for which a UC or CSU campus requires a specific unit amount.
- It is either an intercollegiate athletics course in which a student athlete is registered to participate in an organized competitive sport sponsored by the district or a physical conditioning course that supports it.
- It is an intercollegiate academic or vocational competition course that is sanctioned by a formal collegiate or industry governing body.

When a course is repeated under the Repeatable Course provision, the grade received each time shall be included for purposes of calculating the student's grade point average.

Repetition to Meet a Legally Mandated Training Requirement

A legally mandated training course is a course that is required by statute or regulation as a condition of paid or volunteer employment. A student may repeat a course to meet a legally mandated training requirement for credit any number of times;

however, the student must certify or document the mandated training each time.

When a course is repeated to meet a legally mandated training requirement, the grade received each time shall be included for purposes of calculating the student's grade point average.

Repetition Due to a Significant Change in Industry or Licensure Standards

A student may petition the Committee on Exceptions to repeat a course as a result of a significant change in industry or licensure standards such that repetition of the course is necessary for employment or licensure. Such courses may be repeated for credit any number of times.

When a course is repeated due to a significant change in industry or licensure standards, the grade received each time shall be included for purposes of calculating the student's grade point average.

Repetition to Alleviate Substandard Coursework

Students may repeat a non-repeatable course in which they earned a substandard grade (D, F, FW, NP/NC) at MiraCosta College or at any other accredited college or university.

- If they receive a satisfactory grade after repeating the course once, they may not repeat the course a second time under the Repetition to Alleviate Substandard Coursework provision.
- If they repeat the course and receive another substandard grade, they may repeat the course one additional time.
- If upon the second repetition they receive another substandard grade, they may not repeat the course a third time under the Repetition to Alleviate Substandard Coursework provision except by petition to the Committee on Exceptions.

Upon each repetition of a course to alleviate substandard coursework, the most recent evaluative grade earned will be computed in the student's cumulative grade-point average and annotated on the student's permanent academic record.

A student may alleviate up to two substandard grades for repetition of a repeatable course provided that no additional enrollments are permitted beyond the four-enrollment maximum established for repeatable courses.

In determining transfer of a student's credits, MiraCosta College will honor similar, prior course repetition actions by other accredited colleges and universities.

Repetition Due to Significant Lapse of Time

Students may petition to the Committee on Exceptions to repeat a course in which they earned a satisfactory grade if it has been at least 36 months since the student took the course and one of the following:

- The district has established a recency prerequisite for a course or program.
- An institution of higher education to which the student seeks to transfer has established a recency requirement that the

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student will not be able to satisfy without repeating the course.

Pursuant to petition, the student may be allowed to repeat a course where less than 36 months have elapsed if the student documents the repetition is necessary for transfer to the institution of higher education.

Students must submit a petition to the Committee on Exceptions with supporting documentation as appropriate when petitioning for repetition due to significant lapse of time. Grades awarded for courses repeated under the Repetition Due to Significant Lapse of Time provision will not be counted in calculating a student's grade-point average.

Repetition Due to Extenuating Circumstances

A student may petition to the Committee on Exceptions to repeat a course based on a finding that the student's previous grade (whether substandard or passing) is, at least in part, the result of extenuating circumstances. Extenuating circumstances are verified cases of accidents, illness, or other circumstances beyond the student's control. The student must provide the Committee on Exceptions with supporting documentation as appropriate when petitioning for repetition due to extenuating circumstances.

When course repetition is approved under the Repetition Due to Extenuating Circumstances provision, the student's previous grade will be disregarded in computing the student's grade-point average.

Repetition of Cooperative Work Experience Education/Internship Studies

A student may repeat a cooperative work experience education or internship studies course in a given field any number of times so long as the student does not exceed 16 units in any combination of cooperative work experience (general or occupational) and/or internship studies during community college attendance, subject to the following limitations:

- ▶ General work experience/internships: A maximum of 6 units may be earned during one enrollment period (semester or summer session).
- ▶ Internship studies: A maximum of 3 units may be earned during one enrollment period (semester or summer session).
- ▶ Occupational work experience: A maximum of 8 units may be earned during one enrollment period (semester or summer session).

When a student repeats a cooperative work experience education or internship studies course, the grade received each time shall be included for purposes of calculating the student's grade point average.

Repetition of Special Classes for Students with Disabilities

A student may repeat a special class for students with disabilities any number of times based on an individualized determination that such repetition is required as a disability-

related accommodation for that particular student for one of the following reasons:

- ▶ The student's continuing success in other general and/or special classes is dependent on additional repetitions of a specific special class.
- ▶ The student needs additional repetitions of a specific special class as preparation for registration into other regular or special classes.
- ▶ The student has an educational contract that involves a goal other than completion of the special class in question and repetition of the course will further achievement of that goal.

The district policy may allow the previous grade and credit to be disregarded in computing the student's grade point average each time the course is repeated. In such a case the student will be referred to Admissions and Records to file a petition with the Committee on Exceptions.

(Source: MCCCD Board Policy/Administrative Procedure 4225. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Equal Opportunity/ Nondiscrimination

The MiraCosta Community College District is committed to equal opportunity in educational programs, employment, and access to all institutional programs and activities.

Educational Programs and Services

The district shall provide access to its services, classes, and programs without regard to accent, age, ancestry, citizenship status, color, disability, economic status, ethnic group identification, gender, marital status, medical condition, national origin, parental status, race, religion, sexual orientation or veteran status, or because they are perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

All courses, including noncredit classes, shall be conducted without regard to the gender of the student enrolled in the classes. As defined in the Penal Code, "gender" means sex and includes a person's gender identity and gender-related appearance and behavior whether or not stereotypically associated with the person's assigned sex at birth.

The district shall not prohibit any student from enrolling in any class or course on the basis of gender.

Academic staff, including but not limited to counselors, instructors, and administrators, shall not offer program guidance to students that differs on the basis of gender. Insofar as practicable, the district shall offer opportunities for participation in athletics equally to male and female students.

The superintendent/president shall establish administrative procedures that ensure all members of the college community can present complaints regarding alleged violations of this policy and have their complaints heard in

accordance with the Title 5 regulations and those of other agencies that administer state and federal laws regarding nondiscrimination. (See Harassment & Unlawful Discrimination (p. 408) and Student Rights & Grievances (p. 422).)

Employment

The district is committed to the principles of equal employment opportunity and will implement a comprehensive program to put those principles into practice. The district is committed to a continuing good faith effort to ensure that all qualified applicants for employment and employees have full and equal access to employment opportunity and are not subjected to discrimination in any program or activity of the district on the basis of accent, age, ancestry, citizenship status, color, disability, economic status, ethnic group identification, gender, marital status, medical condition, national origin, parental status, race, religion, sexual orientation or veteran status, or on the basis of these perceived characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

The district will strive to achieve a workforce that is welcoming to men, women, persons with disabilities, and individuals from all ethnic and other groups to ensure the district provides an inclusive educational and employment environment. Such an environment fosters cooperation, acceptance, democracy, and free expression of ideas. Board Policy and Administrative Procedure 3420 address the plan that is maintained to ensure the implementation of equal employment opportunity principles that conform to federal and state laws.

All employment decisions, including but not limited to hiring, retention, assignment, transfer, evaluation, dismissal, compensation, and advancement for all position classifications shall be based on job-related criteria as well as be responsive to the district's needs. The district shall from time to time as necessary provide professional and staff development activities and training to promote understanding of diversity.

(Source: MCCD Board Policy/Administrative Procedure 3410. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Final Exams

Final examinations are to be administered by the instructor and taken by the student according to the published schedule. For faculty administering final exams, approval from the Vice President of Instructional Services is required in order to deviate from the schedule.

Freedom of Speech

Students, employees, and members of the public shall be free to exercise their rights of free expression, subject to the following requirements as defined in MiraCosta Community College District Board Policy 3900.*

MiraCosta Community College District is an inclusive and diverse academic community that promotes the expansion

of ideas and promotes greater understanding through civil discourse. As stated in Board Policy 3430 Prohibition of Harassment, the district is committed to providing an academic and work environment that respects the dignity of individuals and groups, and the district does not condone hate speech that is meant to intimidate or harass others in a manner that prevents their full participation in the educational and work environment.

The college and facilities of the district are nonpublic forums, with the exception of publicly accessible locations and areas where free-speech activity is unlikely to significantly interfere with and/or disrupt college operations, which shall be deemed limited public forums. The superintendent/president shall enact such administrative procedures as are necessary to reasonably regulate the time, place, and manner of the exercise of free expression.

The administrative procedures promulgated by the superintendent/president shall not prohibit the right of students and employees of the district and members of the public to exercise free expression, including but not limited to the use of bulletin boards, the distribution of printed materials or petitions in those parts of the college designated as areas generally available to students and the community, and the wearing of buttons, badges, or other insignia.

Speech shall be prohibited that is defamatory, obscene according to current legal standards, or that so incites others as to create a clear and present danger of the commission of unlawful acts on district property or the violation of district policies or procedures, or the substantial disruption of the orderly operation of the district.

Nothing in this policy shall prohibit the regulation of hate violence directed at students in a manner that denies their full participation in the educational process (Education Code §66301(e)), so long as the regulation conforms to the requirements of the First Amendment to the United States Constitution, §2 of Article 1 of the California Constitution, and MiraCosta Community College District Board Policy/Administrative Procedure 5500: Standards of Student Conduct. Students may be engaged in the Student Conduct process for harassment, threats, or intimidation unless such speech is constitutionally protected.

**All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.*

Grades & Grading Policies

Academic Record Symbols

Evaluative Symbols

Symbol	Definition	Grade Points
A	Excellent	4.0
B	Good	3.0
C	Satisfactory	2.0
D	Less than satisfactory	1.0

F	Failing	0.0
P	Passing (at least satisfactory)	
NP	No Pass (less than satisfactory or failing)	
SP	Satisfactory Progress - Noncredit courses only	

Pass/No Pass

Courses may be offered in either or both of the following categories:

- ▶ Courses in which all students are evaluated on a "pass/no pass" (P/NP) basis.
- ▶ Courses in which each student may elect at the time of registration, or before 30 percent of the class has elapsed by filing an application to the Admissions and Records Office, to take the course on a "pass-no pass" (P/NP) basis.

A student electing to be evaluated on the P/NP basis will receive both course credit and unit credit upon satisfactory completion of the course. In computing a student's grade-point average, grades of "P" and "NP" are omitted.

A passing ("P") grade is granted for performance that is equivalent to the letter grade of "C" or better. A student who fails to perform satisfactorily will be assigned a no pass (NP) grade.

The student is held responsible for all assignments and examinations required in the course. The standards of evaluation are identical for all students in the course.

In the progress probation and dismissal procedures, "NP" grades are punitive. (See Academic & Progress Probation (p. 399).)

Non-Evaluative Symbols

Symbol	Definition
I	Incomplete
IP	In Progress
RD	Report Delayed
W	Withdrawal
EW	Excused Withdrawal
MW	Military Withdrawal

Incomplete (I)

Incomplete academic work for unforeseeable, emergency, and justifiable reasons at the end of the term may result in an "I" symbol being entered in the student's record. The condition for the removal of the "I" shall be stated by the instructor in a written record. This record shall contain the conditions for the removal of the "I" and the grade assigned in lieu of its removal. This record must be given to the student with a copy on file with the Admissions and Records Office until the "I" is made up or the time limit has passed. A final grade shall be assigned when the work stipulated has been completed and evaluated, or when the time limit for completing the work has passed.

The "I" may be made up no later than one semester following the end of the term in which it was assigned.

The "I" symbol shall not be used in calculating units attempted nor for grade points. The student, with instructor's concurrence under extenuating circumstances, may request an extension of the time limit for making up the "I" by petitioning to the Committee on Exceptions.

In Progress (IP)

The "IP" symbol shall be used only in those courses that extend beyond the normal end of an academic term. It indicates that work is "in progress" but assignment of an evaluative symbol (grade) must await its completion. The "IP" symbol shall remain on the student's permanent record in order to satisfy enrollment documentation. The appropriate evaluative symbol (grade) and unit credit shall be assigned and appear on the student's permanent record for the term in which the course is completed.

The "IP" shall not be used in calculating grade point averages. If a student registered in an "open-entry/open-exit" course is assigned an "IP" at the end of an attendance period and does not re-register in that course during the subsequent attendance period, the appropriate faculty will assign an evaluative symbol (grade) in accordance with subdivision (a) of Section 55023 of Title 5 of the California Code of Regulations to be recorded on the student's permanent record for the course.

Report Delayed (RD)

The "RD" symbol may be assigned by the Admissions and Records Office only. It is used when there is a delay in reporting a student's grade due to circumstances beyond the student's control. It is a temporary notation to be replaced by a permanent symbol as soon as possible. "RD" shall not be used in calculating grade point averages.

Withdrawal (W)

Withdrawal from a class or classes shall be authorized by the following conditions:

- ▶ Students who withdraw from class during the first 10 percent (see college calendar) of the term of the course will have no entries made on their permanent record.
- ▶ Students who withdraw from class between 10 percent and 75 percent (see college calendar) of the class term will have a "W" entered on their permanent record.
- ▶ After 75 percent (see college calendar) of the term, students shall receive one of the following grade symbols: A, B, C, D, F, P, NP, IP, RD, or I.
- ▶ Under extenuating circumstances students may be authorized to withdraw from class(es) after the 14th week or 75 percent of the term, whichever is less. Requests for authorization to withdraw under these conditions must be submitted to the Committee on Exceptions.
- ▶ The "W" shall not be used in calculating grade point averages, but excessive "W's" shall be used as factors in probation and dismissal procedures (Section 55024 of Title 5 of the California Code of Regulations).

- ▶ A "W" shall not be assigned, or if assigned shall be removed from a student's academic record, if a determination is made pursuant to Sections 59300 et seq (Title 5 of the California Code of Regulations) that the student withdrew from the course due to discriminatory treatment or due to retaliation for alleging discriminatory treatment or that the student withdrew because they reasonably believed that remaining in the course would subject them to discriminatory treatment or retaliation for alleging discriminatory treatment.

Excused Withdrawal (EW)

Excused withdrawal "EW" occurs when a student is permitted to withdraw from a course(s) due to specific events beyond the control of the student affecting their ability to complete a course(s). This grade shall not be counted in progress probation and dismissal calculations nor shall it be counted toward the permitted number of withdrawals or counted as an enrollment attempt.

Military Withdrawal (MW)

Military withdrawal denotes withdrawal without penalty. This grade is not considered for progress probation. This grade is used when an active duty military or reservist has received orders to transfer as in accordance with Section 55024 of Title 5 of the California Code of Regulations.

Credit for Prior Learning

A notation shall be added to the transcript when course credit is earned by an assessment of prior learning. Credit earned through an advanced placement exam will be specifically notated as such.

Grade Point Average

Grade point average, otherwise known as GPA, has important and far-reaching effects on a student's academic standing. Therefore, students should know how to calculate their GPA.

Calculating GPA

1. Add the total number of *graded units completed* (A, B, C, D, or F). **Note:** Courses offered or taken on a pass/no pass (P/NP) basis do not influence a student's GPA, but they may affect their financial aid.
2. Calculate the total number of *grade points* by multiplying the number of units the course is worth by the corresponding number of grade points earned as dictated by the grade received (reference the Evaluative Symbol table above). For example, a "C" in a 5-unit math course would be **5 (number of units) x 2 (grade points for "C" grade) = 10 points**
3. Continue in this manner for all letter-graded courses taken. Then add those numbers to get the total number of grade points completed.
4. The final step in calculating the GPA is to divide the total number of *grade points* by the total *letter-graded units*.

Example:

Course	Units	Grade	Grade Points
HIST 110	3.0	C	(3 x 2.0 =) 6.0
MATH 105	3.0	B	(3 x 3.0 =) 9.0
BIO 111	3.0	C	(3 x 2.0 =) 6.0

BIO 111L	1.0	D	(1 x 1.0 =) 1.0
CS 107	3.0	P	

Total letter-graded units = 10*

Total grade points = 22

**22 (grade points) divided by 10
(letter-graded units) = 2.2 GPA**

***Note: CS 107 is not included in the GPA because it was taken P/NP.**

Grade Changes

By law, the instructor is solely responsible for the grades assigned; no instructor may be directed to change a grade except in certain narrow circumstances authorized by the California Education Code §76224(a): "When grades are given for any course of instruction taught in a community college district, the grade given to each student shall be the grade determined by the instructor of the course and the determination of the student's grade by the instructor, in the absence of mistake, fraud, bad faith, or incompetency, shall be final."

When challenging a grade assigned by an instructor, the burden of proof is on the student to provide evidence of mistake, fraud, bad faith, or incompetence.

The removal or change of an incorrect grade from a student's record shall be done pursuant to California Education Code §76232 or by an alternative method that ensures each student shall be afforded an objective and reasonable review of the requested grade change. Whenever a grade is changed for any reason, corrected transcripts will be sent to any educational institution to which a student has submitted official transcripts that included the original grade.

Definition of Terms

- ▶ **Mistake**—An unintentional error such as a clerical error or an error made by the instructor in calculating a student's grade
- ▶ **Fraud**—A deliberate misrepresentation of the truth in order to secure unfair or unlawful gain
- ▶ **Bad faith**—An intentional or malicious act that infringes on the rights of someone else
- ▶ **Incompetence**—A lack of ability, qualification, fitness, or performance
- ▶ **Evaluative symbols**—A, B, C, D, F, P, NP, SP
- ▶ **Nonevaluative symbols**—I, IP, RD, W, EW, MW

Requesting a Change from an Evaluative Symbol to Another Evaluative Symbol

1. Students requesting a grade change from one evaluative symbol to another should first attempt to discuss the request informally with the instructor—in person or by email—within sixty (60) instructional days (excluding weekends and holidays) of the date when official grades are posted. If contact with the instructor is not possible because the instructor is not available, the student has filed a discrimination complaint, or the district determines

there may have been gross misconduct by the original instructor, then the student should make initial contact with the appropriate department chair—in person or by email—within sixty (60) instructional days (excluding weekends and holidays) of the date when official grades are posted to discuss the grade-change request.

2. If the student's grade-change request is not resolved satisfactorily by contacting the instructor, the student should contact the appropriate department chair—in person or by email—within ten (10) instructional days (excluding weekends and holidays) after the student's discussion with the instructor. The department chair or their designee will investigate and address the student's request by email or letter within ten (10) instructional days.
3. If the student wishes to appeal the finding of the department chair or their designee, the student must make a request by email or by letter to the Academic Senate president within ten (10) instructional days (excluding weekends and holidays) of receipt of the department chair's or their designee's written notification.
 - ▶ Wherever possible, the instructor who first awarded the grade will be apprised of all evidence and given every opportunity to rebut the evidence or to submit a voluntary change of grade prior to the Academic Senate president's final decision.
 - ▶ In the case of fraud, bad faith, or incompetence, the final determination concerning removal or change of grade will be made by the Academic Senate president in consultation with the superintendent/president. In all cases, the instructor who first awarded the grade will be given written notice of the change.
4. The Academic Senate president will notify the student of a final decision within thirty (30) instructional days (excluding weekends and holidays) of receiving the appeal. If the Academic Senate president is directly involved in the grade-change request, then another full-time Academic Senate Council member will be chosen by lot to address and respond to the appeal in writing.
5. The written notification of the Academic Senate president's final decision will be copied to the superintendent/president in cases where no grade change is recommended.

Students and instructors wishing to change a grade after sixty (60) instructional days (excluding weekends and holidays) of the date when official grades are posted must submit their request in writing to the Committee on Exceptions. Such requests must be made within three years of the date when the grade was posted. The Committee on Exceptions will consult with the instructor of record, review deadlines, and examine extenuating circumstances. Approved changes will be submitted to the Admissions and Records Office through a grade change form approved by the instructor and chair of the Committee on Exceptions.

Requesting a Change from an Evaluative Symbol to a Nonevaluative Symbol

Students who request a grade change from an evaluative symbol to a "W" (Withdrawal) or "NR" (No Record) or from a "W"

to an "EW" (Excused Withdrawal) must submit their request in writing to the Committee on Exceptions. Such requests must be made within three years of the date when the grade was posted. The Committee on Exceptions will consult with the instructor of record, review deadlines, and examine extenuating circumstances. Approved changes will be submitted to the Admissions and Records Office through a grade change form approved by the instructor and chair of the Committee on Exceptions.

A student who requests a change from any grade to a Military Withdrawal (MW) must submit proof of orders compelling a withdrawal of courses to the Director of Admissions and Records. (Please refer to Administrative Procedure 5075.)

Requesting a Change from a Nonevaluative Symbol to an Evaluative Symbol

Changes of "I" (Incomplete) to an evaluative grade are based on criteria identified by the instructor in the "Petition for Incomplete Grade" signed by both the instructor and the student when the "I" was issued. The agreed upon criteria must be satisfied no later than one semester following the end of the term in which the "I" was assigned. The student, with the instructor's concurrence that extenuating circumstances prevented the student from satisfying the criteria within the time limit, may request an extension of the time limit by petitioning the Committee on Exceptions.

(Sources: MCCD Board Policy/Administrative Procedure 4230; MCCD Board Policy/Administrative Procedure 4231; MCCD Administrative Procedure 4232; MCCD Board Policy/Administrative Procedure 4235. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Harassment & Unlawful Discrimination

Unlawful Harassment

All forms of harassment are contrary to basic standards of conduct between individuals and are prohibited by state and federal law—as well as by MiraCosta Community College District Board Policy 3430—and will not be tolerated.

The District is committed to providing an academic and work environment that respects the dignity of individuals and groups. The District shall be free of unlawful harassment, including that which is based on any of the following statuses: race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, sexual orientation, age, citizenship status, parental status, military or veteran status, or because they are perceived to have one or more of the foregoing characteristics.

Definitions

General harassment—Harassment based on race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression,

age, or sexual orientation of any person, military or veteran status, or the perception that a person has one or more of these characteristics is illegal and violates District policy. Harassment shall be found where, in aggregate, the incidents are sufficiently pervasive, persistent, or severe that a reasonable person with the same characteristics as the victim of the harassing conduct would be adversely affected to a degree that interferes with the ability to participate in or to realize the intended benefits of an institutional activity, employment, or resource.

Gender-based harassment does not necessarily involve conduct that is sexual. Any hostile or offensive conduct based on gender can constitute prohibited harassment. For example, repeated derisive comments about a person's competency to do the job, when based on that person's gender, could constitute gender-based harassment if it meets the definition above.

Harassment comes in many forms, including but not limited to the following conduct that could, depending on the circumstances, meet the definition above, or could contribute to a set of circumstances that meets the definition:

- ▶ **Verbal harassment**—Inappropriate or offensive remarks, slurs, jokes or innuendoes based on a person's race, gender, sexual orientation, or other protected status. This may include, but is not limited to, inappropriate comments regarding an individual's body, physical appearance, attire, sexual prowess, marital status or sexual orientation; unwelcome flirting or propositions; demands for sexual favors; verbal abuse, threats or intimidation; or sexist, patronizing or ridiculing statements that convey derogatory attitudes based on gender, race, nationality, sexual orientation, or other protected status.
- ▶ **Physical harassment**—Inappropriate or offensive touching, assault, or physical interference with free movement. This may include, but is not limited to, kissing, patting, lingering or intimate touches, grabbing, pinching, leering, staring, unnecessarily brushing against or blocking another person, whistling, or sexual gestures. It also includes any physical assault or intimidation directed at an individual due to that person's gender, race, national origin, sexual orientation or other protected status. Physical sexual harassment includes acts of sexual violence, such as rape, sexual assault, sexual battery, and sexual coercion. Sexual violence refers to physical sexual acts perpetrated against a person's will or where a person is incapable of giving consent due to the victim's use of drugs or alcohol. An individual also may be unable to give consent due to an intellectual or other disability.
- ▶ **Visual or written harassment**—The display or circulation of visual or written material that degrades an individual or group based on gender, race, nationality, sexual orientation, or other protected status. This may include, but is not limited to, posters, cartoons, drawings, graffiti, reading materials, computer graphics, or electronic media transmissions.
- ▶ **Environmental harassment**—A hostile academic or work environment may exist where it is permeated by sexual innuendo; insults or abusive comments directed at an individual or group based on gender, race, nationality, sexual orientation, or other protected status; or gratuitous

comments regarding gender, race, sexual orientation, or other protected status that are not relevant to the subject matter of the class or activities on the job. A hostile environment can arise from an unwarranted focus on sexual topics or sexually suggestive statements in the classroom or work environment. It can also be created by an unwarranted focus on, or stereotyping of, particular racial or ethnic groups, sexual orientations, genders or other protected statuses. An environment may also be hostile toward anyone who merely witnesses unlawful harassment in their immediate surroundings, although the conduct is directed at others. The determination of whether an environment is hostile is based on the totality of the circumstances, including such factors as the frequency of the conduct, the severity of the conduct, whether the conduct is humiliating or physically threatening, and whether the conduct unreasonably interferes with an individual's learning or work.

Sexual harassment—In addition to the above, sexual harassment consists of unwelcome sexual advances, requests for sexual favors, and other verbal, visual, or physical conduct of a sexual nature made by someone from, or in, the work or educational setting when:

- ▶ Submission to the conduct is explicitly or implicitly made a term or condition of an individual's employment, academic status, progress, internship, or volunteer activity.
- ▶ Submission to, or rejection of, the conduct by the individual is used as a basis of employment or academic decisions affecting the individual.
- ▶ The conduct has the purpose or effect of having a negative impact upon the individual's work or academic performance, or of creating an intimidating, hostile or offensive work or educational environment (as more fully described below).
- ▶ Submission to, or rejection of, the conduct by the individual is used as the basis for any decision affecting the individual regarding benefits and services, honors, programs, or activities available at or through the community college.

This definition encompasses two kinds of sexual harassment:

- ▶ "Quid pro quo" sexual harassment occurs when a person in a position of authority makes educational or employment benefits conditional upon an individual's willingness to engage in or tolerate unwanted sexual conduct.
- ▶ "Hostile environment" sexual harassment occurs when unwelcome conduct based on a person's gender is sufficiently severe or pervasive so as to alter the conditions of an individual's learning or work environment, unreasonably interfere with an individual's academic or work performance, or create an intimidating, hostile, or abusive learning or work environment. The victim must subjectively perceive the environment as hostile, and the harassment must be such that a reasonable person of the same gender would perceive the environment as hostile. A single or isolated incident of sexual harassment may be sufficient to create a hostile environment if it unreasonably interfered with the person's academic or work performance or created an intimidating, hostile, or offensive learning or working environment.

Sexually harassing conduct can occur between people of the same or different genders. The standard for determining whether conduct constitutes sexual harassment is whether a reasonable person of the same gender as the victim would perceive the conduct as harassment based on sex.

Consensual Relationships

Romantic or sexual relationships are prohibited:

- ▶ Between a supervisor and their subordinate employee.
- ▶ Between any classroom faculty member and a MiraCosta College student who is currently enrolled in a class taught by the faculty member or who is working as a student employee under the supervision of the faculty member.
- ▶ Between any non-classroom faculty member and students whom they are currently advising.

Romantic or sexual relationships are discouraged:

- ▶ Between a supervisor and an employee.
- ▶ Between any employee (whether administrator, faculty member, or classified staff member) and a student.

There is an inherent imbalance of power and potential for exploitation in such relationships. A conflict of interest may arise if the administrator, faculty member, or staff member must evaluate the student's or employee's work or make decisions affecting the employee or student. The relationship may create an appearance of impropriety and lead to charges of favoritism by other students or employees. A consensual sexual relationship may change, with the result that sexual conduct that was once welcome becomes unwelcome and harassing. In the event that such relationships do occur, the District has the authority to transfer any involved employee to eliminate or attenuate the supervisory authority of one over the other, or of a faculty member over a student. Such action by the District is a proactive and preventive measure to avoid possible charges of harassment and does not constitute discipline against any affected employee.

Protection from Retaliation

The District seeks to foster an environment in which all students, employees, unpaid interns, and volunteers feel free to report incidents of harassment without fear of retaliation or reprisal. Therefore, the District also strictly prohibits retaliation against any individual for filing a complaint of harassment or for participating in a harassment investigation. Such conduct is illegal and constitutes a violation of Board Policy 3430: Prohibition of Harassment. The District will investigate all allegations of retaliation swiftly and thoroughly. If the District determines that retaliation has occurred, it will take all reasonable steps within its power to stop such conduct. Individuals who engage in retaliatory conduct are subject to disciplinary action, up to and including termination or expulsion.

Any student, employee, unpaid intern, or volunteer who believes that they have been harassed or retaliated against in violation of this policy should immediately report such incidents by following the procedures described under "Filing an Unlawful Discrimination Complaint" below. The District requires supervisors to report all incidents of harassment and retaliation that come to their attention.

This policy applies to all aspects of the academic environment, including but not limited to classroom conditions, grades, academic standing, employment opportunities, scholarships, recommendations, disciplinary actions, and participation in any community college activity. In addition, this policy applies to all terms and conditions of employment, including but not limited to hiring, placement, promotion, disciplinary action, layoff, recall, transfer, leave of absence, training opportunities and compensation.

Employees who violate the policy and procedures may be subject to disciplinary action up to and including termination. Students who violate this policy and related procedures may be subject to disciplinary measures up to and including expulsion. Volunteers or unpaid interns who violate this policy and related procedures may be subject to disciplinary measure up to and including termination from the volunteer assignment, internship, or other unpaid work experience program.

Filing an Unlawful Discrimination Complaint

Complaints

Any person who has suffered harassment, discrimination, or retaliation may file a formal or informal complaint of harassment, discrimination, or retaliation.

Complaints of unlawful discrimination may be written or verbal, and may be made by a student, an employee, a parent of a minor, or an individual with legal authority on behalf of a student or employee, who alleges that the student or employee has suffered unlawful discrimination in violation of the District's board policies and administrative procedures or in violation of state or federal law.

The complainant may be requested, but shall not be required, to submit the complaint on a form prescribed by the State Chancellor. Verbal complaints shall be lodged with the director of labor relations/Title IX coordinator. The director shall record the verbal complaint in writing. The director shall take appropriate steps to ensure the writing accurately reflects the facts alleged by the complainant.

Oversight of the Complaint Procedure

The director of labor relations/Title IX coordinator is the "responsible District officer" charged with receiving complaints of discrimination or harassment, and coordinating the investigation.

The actual investigation of complaints may be assigned by the director to other staff or to outside persons or organizations under contract with the District. This shall occur whenever the director is named in the complaint or implicated by the allegations in the complaint.

Informal Complaints

Any person may submit an informal complaint to the director of labor relations/Title IX coordinator, or any other District or college administrator. Administrators receiving an informal complaint shall immediately notify the director in writing of all pertinent information and facts alleged in the informal complaint.

Upon receipt of an informal complaint, the director will notify the person bringing the informal complaint of their right to file

a formal complaint, if the incident falls within the timeline for a formal complaint, and explain the procedure for doing so. The complainant may later decide to file a formal complaint, if within the timelines to do so. If the individual chooses not to file a formal complaint, or if the alleged conduct falls outside the timeline to file a formal complaint, the director shall consider the allegations contained in the informal complaint and determine the appropriate course of action. This may include efforts to informally resolve the matter or a fact-finding investigation.

Investigation of an informal complaint will be appropriate if the director determines that the allegation(s), if proven true, would constitute a violation of the District policy prohibiting harassment, discrimination, or retaliation. The director will explain to any individual bringing an informal complaint that the director may decide to initiate an investigation, even if the individual does not wish the director to do so. The director shall not disregard any allegations of harassment, discrimination, or retaliation solely on the basis that the alleged conduct falls outside the deadline to file a formal complaint.

Formal Complaints

Formal complaints must be filed with the director of labor relations/Title IX coordinator. If the party submitting the formal complaint alleges discrimination, harassment, or retaliation against the director, the complaint should be submitted directly to the superintendent/president.

A formal complaint must meet each of the following criteria:

- ▶ The formal complaint must allege facts with enough specificity to show that the allegations, if true, would constitute a violation of District policies or procedures prohibiting discrimination, harassment, or retaliation.
- ▶ The complainant must file any formal complaint not involving employment within one year of the date of the alleged discriminatory, harassing, or retaliatory conduct or within one year of the date on which the complainant knew or should have known of the facts underlying the allegation(s) of discrimination, harassment, or retaliation.
- ▶ The complainant must file any formal complaint alleging discrimination, harassment, or retaliation in employment within 180 days of the date of the alleged discriminatory, harassing, or retaliatory conduct, except that this period shall extend by no more than 90 days following the expiration of the 180 days if the complainant first obtained knowledge of the facts of the alleged violation after the expiration of the 180 days.

Who May File a Complaint

Any student, employee, parent of a minor, or individual with legal authority on behalf of a student or employee, who alleges that the student or employee has suffered unlawful discrimination in violation of the District's board policies and administrative procedures or in violation of state or federal law may file a complaint.

Where to File a Complaint

Any student, employee, parent of a minor, or individual with legal authority on behalf of a student or employee who believes they have been discriminated against or harassed may make a complaint orally or in writing. If a complainant decides to

file a formal, written, unlawful discrimination or harassment complaint against the District, they may file the complaint on a form provided by the State Chancellor's Office. These approved forms are available from the director of labor relations/Title IX coordinator and at the State Chancellor's Office website.

The complaint may be filed with any of the following:

- ▶ Director of labor relations/Title IX coordinator
- ▶ Superintendent/president
- ▶ California Community Colleges Chancellor's Office

Filing a Timely Complaint

Since failure to report harassment and discrimination impedes the District's ability to stop the behavior, the District strongly encourages anyone who believes they are being harassed or discriminated against to file a complaint. The District also strongly encourages the filing of such complaints within thirty (30) days of the alleged incident. While all complaints are taken seriously and will be investigated promptly, delay in filing impedes the District's ability to investigate and remediate. All supervisors and managers have a mandatory duty to report incidents of harassment and discrimination; the existence of a hostile, offensive or intimidating work environment; and acts of retaliation. The District will investigate complaints involving acts that occur off campus if they are related to an academic or work activity, or if the harassing conduct interferes with or limits a student's or employee's ability to participate in or benefit from the school's programs or activities.

Communicating that the Conduct is Unwelcome

The District further encourages students and staff to let the offending person know immediately and firmly that the conduct or behavior is unwelcome, offensive, in poor taste, or inappropriate.

Intake and Processing of the Complaint

When a person brings charges of unlawful discrimination to the attention of the director of labor relations/Title IX coordinator, the director will do the following:

- ▶ Undertake efforts to informally resolve the charges.
- ▶ Advise all parties that they need not participate in an informal resolution of the complaint, and have the right to end the informal resolution process at any time.
- ▶ Notify the complainant of their right to file a formal complaint and explain the appropriate procedure for doing so.
- ▶ Advise a student complainant that they may file a complaint with the Office of Civil Rights (OCR) of the U.S. Department of Education. If the complaint is employment-related, the complainant should also be advised that they may file a complaint with the U.S. Equal Employment Opportunity Commission (EEOC) and/or the California Department of Fair Employment and Housing (DFEH) where such a complaint is within that agency's jurisdiction.
- ▶ Advise complainants that they have a right to file a complaint with local law enforcement if the act complained of is also a criminal act. The District must investigate even if the complainant files a complaint with local law enforcement.

- ▶ Advise complainants of any available resources, such as counseling, health, and mental health services.
- ▶ Take interim steps to protect a complainant from coming into contact with the respondent.

Investigation of the Complaint

The District shall:

- ▶ Authorize the investigation of the complaint and supervise or conduct a thorough, prompt, and impartial investigation of the complaint, as set forth below. Where complainants opt for informal resolution, the director will determine whether further investigation is necessary to ensure resolution of the matter and utilize the investigation process outlined below as appropriate.
- ▶ Review the factual information gathered through the investigation to determine whether the alleged conduct constitutes harassment, or other unlawful discriminatory conduct, giving consideration to all factual information and the totality of the circumstances, including the nature of the verbal, physical, visual, or sexual conduct, and the context in which the alleged incidents occurred.

The District shall promptly investigate every complaint of harassment or discrimination. No claim of workplace or academic harassment or discrimination shall remain unexamined. This includes complaints involving activities that occur off campus and in connection with all the academic, educational, extracurricular, athletic, and other programs of the District, whether those programs take place in the District's facilities, on a District bus or vehicle, or at a class or training program sponsored by the District at another location. As set forth above, where the complainant opts for an informal resolution, the director may limit the scope of the investigation, as appropriate.

Confidentiality of the Process

Investigations are best conducted within a confidential climate. Therefore, the District does not reveal information about ongoing investigations, except as necessary to fulfill its legal obligations. The District will keep the investigation confidential to the extent possible, but it cannot guarantee absolute confidentiality because release of some information on a "need-to-know-basis" is essential to a thorough investigation and to protect the rights of accused students and employees during the investigation process and any ensuing discipline.

Timeline for Completion

The District will undertake its investigation as promptly and swiftly as possible. To that end, the investigator shall complete the above steps, and prepare a written report within ninety (90) days of the District receiving the complaint.

Investigation Steps

The District will fairly and objectively investigate harassment and discrimination complaints. Employees designated to serve as investigators shall have adequate training on what constitutes sexual harassment, including sexual violence, and that they understand how the District's complaint procedures operate. The investigator may not have any real or perceived conflicts of interest and must be able to investigate the allegations impartially.

Investigators will use the following steps: interviewing the complainant(s); interviewing the respondent(s); identifying and interviewing witnesses and evidence identified by each party; identifying and interviewing any other witnesses, if needed; reminding all individuals interviewed of the District's no-retaliation policy; considering whether any involved person should be removed from the campus pending completion of the investigation; reviewing personnel/academic files of all involved parties; reach a conclusion as to the allegations and any appropriate disciplinary and remedial action; and see that all recommended action is carried out in a timely fashion. When the District evaluates the complaint, it shall do so using a preponderance of evidence standard. Thus, after considering all the evidence it has gathered, the District will decide whether it is more likely than not that discrimination or harassment has occurred.

The results of the investigation of a complaint shall be set forth in a written report as specified in Administrative Procedure 3435.

For more information about the harassment and unlawful discrimination complaint process, contact the Human Resources Office, 760.795.6672.

Academic Freedom

The MiraCosta Community College District Board of Trustees reaffirms its commitment to academic freedom, but recognizes that academic freedom does not allow any form of unlawful discrimination. Nothing in the District's policy and procedure on discrimination, harassment, or retaliation shall be interpreted to prohibit conduct that is legitimately related to the course content, teaching methods, scholarship, or public commentary of an individual faculty member or the educational, political, artistic, or literary expression of students in classrooms and public forums. Freedom of speech and academic freedom are, however, not limitless, and the District's policy and procedure will not protect speech or expressive conduct that violates federal or California anti-discrimination laws.

(Sources: MCCC Board Policy/Administrative Procedure 3430 and MCCC Administrative Procedure 3435. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Institutional Code of Ethics

Ethical behavior is often defined as "right" or "good" behavior as measured against commonly accepted rules of conduct for a society or profession. The ethical person is often described as one who is fair, honest, straightforward, trustworthy, objective, moral, and unprejudiced. The consistent exercise of integrity is the cornerstone of ethical behavior.

MiraCosta College is composed of professionals who are dedicated to promoting a climate that enhances the worth, dignity, potential, and uniqueness of each individual within the college community. Employees are committed to protecting human rights and pursuing academic excellence.

MiraCosta College employees seek to model ethically responsible behavior for students and colleagues and expect ethical behavior from others at all times. In fulfillment of their obligation to the student, employees do the following:

- ▶ Promote freedom of inquiry and expression in the pursuit of learning.
- ▶ Avoid intentionally suppressing or distorting subject matter relevant to the student's progress.
- ▶ Ensure that the student has access to varying points of view.
- ▶ Make reasonable effort to protect the student from conditions harmful to learning or to health and safety.
- ▶ Avoid intentionally embarrassing or disparaging the student.
- ▶ Avoid disclosing information about students obtained in the course of professional service, unless disclosure serves a compelling professional purpose or is required by law.
- ▶ Are sensitive to ethics issues in measurement and evaluation both in and out of the classroom and including but not limited to the following factors:
 - ▶ Orientation of students to the purposes and results of testing.
 - ▶ Insurance against risks of stereotyping due to possible instrument limitations with regard to socioeconomic, ethnic, and cultural factors.
 - ▶ The insurance of adequate qualification of employees responsible for the administration, scoring, and interpretation of instruments.
 - ▶ Maintenance of test security.
 - ▶ Insurance against risk of over-reliance on test data and over-interpretation of results.

Conduct that is determined to be in direct violation of this procedure will be subject to disciplinary action in accordance with applicable regulations, board policies, administrative procedures, working condition manuals, and collective bargaining agreements.

(Source: MCCC Board Policy/Administrative Procedure 3050. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Non-Degree Applicable Courses

Developmental Coursework and Unit Limits

Developmental coursework consists of non-degree-applicable basic skills courses. These courses are designed to prepare students for success in college-level classes and are designated with a course number from 0 to 49 (e.g., ENGL 30, ESL 40, MATH 30). A student's need for developmental coursework is determined using appropriate assessment instruments, methods, or procedures.

Students cannot receive more than 30 semester units for developmental coursework subject to the following exceptions:

- ▶ A student who is enrolled in one or more courses of English as a Second Language is exempt from this unit limitation.

- ▶ A student who has been officially identified by the college as having a learning disability is exempt from this unit limitation.

A student who demonstrates significant, measurable progress toward the development of skills appropriate to enrollment in college-level courses may request a waiver of this unit limitation. Such a waiver, if granted, will be given for specified periods of time or for specified units pursuant to standards approved by the MiraCosta College Board of Trustees.

Students who need more than 30 units to develop college-level basic skills will be restricted to taking only noncredit courses, non-degree-applicable courses that do not involve remediation, and those degree-applicable credit courses that do not have basic skills prerequisites or advisories on recommended preparation.

(Source: MCCC Administrative Procedure 4222. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Open Enrollment

Unless specifically exempted by statute or regulation, every course, course section, or class reported for state aid that is offered and maintained by the MiraCosta Community College District shall be fully open to enrollment and participation by any person who has been admitted to the college and who meets established prerequisites. Prerequisites are established pursuant to regulations contained in section 55003 of Division 6 of Title 5 of the California Code of Regulations.

(Source: MCCC Board Policy 5052. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Standards of Student Conduct

Student Affairs

The board of trustees and the campus community at MiraCosta College support a harmonious, safe, and productive learning environment. To promote such an environment, the board and the superintendent/president have established a set of standards for student conduct. This policy and the procedures associated with it delineate and define student rights and responsibilities and the resolution steps associated with due process. Students are expected to conduct themselves in an ethical manner consistent with a safe and harmonious campus environment. Matters related to student rights, responsibilities, and conduct are addressed by the dean of Student Affairs or their designee.

MiraCosta College Standards of Student Conduct

Students must refrain from engaging in any of the following behaviors or face the possibility of disciplinary action, which may include a warning, educational resolution, restricted

access to district property, probation, suspension, and/or expulsion:

A. Causing, attempting to cause, or threatening to cause physical injury to another person, including any act chargeable as a violation of a federal, state, or local law that poses a threat to the safety or well being of members of the college community, to property within the college community, or poses a significant threat of disruption or interference with college operations.

B. Possessing, selling, or otherwise furnishing any firearm, knife (over 2.5 inches long per California Penal Code §626.10c), explosive, or other dangerous objects, unless the student has obtained written permission to possess the item on campus from the dean of Student Affairs or designee.

C. Possessing, selling, or otherwise furnishing any imitation firearm, knife, explosive, or other dangerous objects, unless the student has obtained written permission to possess the item on campus from the dean of Student Affairs or designee.

D. Unlawfully possessing, using, selling, offering to sell, furnishing, or being under the influence of an alcoholic beverage. While the distribution or sale of alcohol is permitted at events sponsored by the MiraCosta College Foundation and off campus events sanctioned by the college, students serving as representatives of the college at such events are prohibited from consuming alcoholic beverages.

E. Unlawfully possessing, using, selling, offering to sell, furnishing, or being under the influence of any controlled substance listed in California Health and Safety Code §§11053 et seq., including marijuana; or unlawfully possessing, or offering, arranging, or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code §11014.5. MiraCosta College does not permit students to use medically prescribed marijuana at any college site or at any college-sponsored activity.

F. Committing or attempting to commit burglary, robbery, or extortion.

G. Causing or attempting to cause damage to district property or to private property on campus.

H. Stealing, or attempting to steal, district property or private property on campus, or knowingly receiving stolen district property or private property on campus.

I. Smoking or using any tobacco products at any district site (see Administrative Procedure 3570: Tobacco/Smoke/Vapor-Free Campus).

J. Committing, or attempting to commit, sexual assault, sexual misconduct, or sexual exploitation, regardless of the victim/survivor's affiliation with the district.

K. Committing sexual harassment as defined by law or by district policies and procedures.

L. Engaging in harassing or discriminatory behavior based on any protected class, including, but not limited to, age,

ancestry, color, physical or mental disability, pregnancy, gender, gender identity, gender expression, nationality, marital status, medical condition, genetic information, national origin, parental status, military or veteran status, race or ethnicity, religion, sexual orientation, and any other status protected by law.

M. Engaging in intimidating conduct or bullying against another student or district personnel through words or actions, in person, through a third party, or electronic communication, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyberbullying.

N. Behaving in a manner that results in injury or death to a student or to college district students, personnel, or community members.

O. Willful disobedience, failure to comply with lawful direction, habitual profanity or vulgarity, or the open and persistent defiance of the authority of college personnel.

P. Cheating, plagiarizing, or engaging in other academic dishonesty as defined by Board Policy 5505: Academic Integrity and Administrative Procedure 5505: Academic Dishonesty.

Q. Behaving dishonestly, appropriating institutional resources for personal gain, committing forgery, tampering with college or student elections, altering or misusing district documents, records, or identification, or knowingly furnishing false information to the district.

R. Entering or using district facilities or equipment without authorization.

S. Engaging in lewd, indecent, or obscene conduct or expression on district-owned or controlled property or at district-sponsored or supervised functions.

T. Engaging in expression that is obscene, libelous, slanderous, or that incites others, creating a clear and present danger of the commission of unlawful acts on college premises.

U. Disruptive behavior, including the disruption of teaching, administration, or other college activities or programs.

V. Violating district or California Education Code regulations pertaining to student organizations, distribution of literature, and place and manner of public expression, as defined by Administrative Procedure 3900: Speech - Time, Place and Manner.

W. Illegally obtaining or altering college records, electronic information, or computer applications and committing any computer-related crimes, as defined in California Penal Code §502.

X. Preparing, giving, selling, transferring, distributing, or publishing for any commercial purpose any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten or typewritten class notes without authorization, except

as permitted by any district policy or administrative procedure.

Y. Harassing, threatening, or intimidating any person who is a complaining witness or witness in a school proceeding for the purpose of either preventing that person from being a witness or retaliating against that person for being a witness, or both.

Z. Persistent, serious misconduct where other means of correction have failed to bring about behavior that follows the Standards of Student Conduct.

Students who engage in any of the above are subject to the procedures outlined in the student conduct procedures listed below.

Student Conduct Procedures

As part of MiraCosta's culture of care, this procedure is designed to support student success. As a community college, all stakeholders, including students, have responsibilities to ensure a safe and productive learning environment. The purpose of this document is to outline the rights and responsibilities of our students, who are all MiraCosta College community members. The purpose of the student conduct procedure is to provide a prompt and clear means to address alleged violations of the MiraCosta College Standards of Student Conduct, which guarantees to the student or students involved the due process rights afforded by state and federal laws. This procedure will be used in a fair manner and not for purposes of retaliation. It is not intended to substitute for criminal or civil proceedings that may be initiated by other agencies. Rather, this is an educational and developmental approach that is designed to uphold students' rights and ensure safety throughout our community. The superintendent/president has designated the dean of Student Affairs as the administrator responsible for student conduct procedures.

Definitions

A. District: The MiraCosta Community College District (commonly referred to as MiraCosta College).

B. Student: Any person who has applied, is enrolled, or formerly enrolled, in any course(s) at any site, online, or in any program offered by the district.

C. Faculty member: Any academic employee of the district in whose class a student subject to conduct procedures is enrolled, or counselor who is providing or has provided services to the student, or other academic employee who has responsibility for the student's educational program.

D. Days: Unless otherwise stated in this document, the term "days" refers to days when the district is open.

E. Student conduct administrator: A district employee designated as responsible for administering student rights and responsibilities meetings to determine findings of responsibility and issue resolutions.

F. Hearing officer: A district employee designated responsible for hearing appeals who is impartial and does not have an interest in the outcome of the appeal.

G. Student rights and responsibilities meeting: The due process meeting by which an allegation of a violation of the standards of student conduct is addressed by the student conduct administrator with the responding party.

H. Appeal hearing: The meeting that addresses a responding party's request for appeal of a finding of responsibility and/or appeal of a resolution.

I. Preponderance of the evidence: The standard by which a decision is made by the student conduct administrator or the hearing officer. The standard is such that a reasonable person would find it more likely than not that a behavior occurred and that it violated one or more of the standards of student conduct.

J. Advisor: A support person who may accompany the student during a student rights and responsibilities meeting or an appeal hearing.

K. Witness: Any person with direct knowledge of the incident who may be invited to participate in the student conduct process.

L. Reporting party: The person who reports behavior that may be in violation of the standards of student conduct. The reporting party may be different than the impacted party.

M. Impacted party: A person who is commonly known as a victim or survivor of a reported behavior that is in violation of the standards of student conduct.

N. Responding party: A student reported to be in possible violation of the standards of student conduct.

O. Resolution: Commonly known as a sanction, the resolution serves as the outcome assigned to the responding party when a student is found responsible for a violation of the standards of student conduct.

P. In absentia: When a student fails to schedule or attend a student rights and responsibilities meeting or appeal hearing, the student conduct administrator or hearing officer may make a determination in the absence of the responding party.

Q. Expulsion hearing: The hearing held by the board of trustees to address a recommendation for expulsion.

R. Behavioral Intervention Team: Designated employees of the district who work to assess, prevent, intervene, and respond to situations that may pose a threat to the campus community or require consultation with a multidisciplinary team.

STUDENT RIGHTS

Students have the right to report concerns about behavior and also have the right to be informed of any credible reports filed about them to provide an opportunity to respond to them in a timely manner. Recognizing that students often manage significant matters outside of their educational responsibilities, the district has outlined the following procedures to support a clear student conduct process. All students have the right to a student rights and responsibilities meeting, commonly referred to as a student conduct meeting. Students have a right to review Administrative Procedure 5520: Student Conduct Procedures and Administrative Procedure 5500: Standards of Student Conduct prior to the meeting. These documents

can be emailed to the responding party, or the responding party may also request to view a copy in designated areas on campus such as the Office of Student Affairs, or review them on the district website.

Students also have the right to bring an advisor with them to the student rights and responsibilities meeting, appeal hearing, and/or expulsion hearing. If the student chooses to bring a lawyer to serve as their advisor, the student must inform the student conduct administrator no later than five (5) days prior to the meeting or hearing date, so that the district may make accommodations to have their own legal counsel attend the meeting as well.

Students also have the right to request reasonable accommodations. This request must be made in writing to the assigned student conduct administrator in advance of the student rights and responsibilities meeting and/or appeal hearing. The student conduct administrator will review the request and consult with appropriate parties if needed to determine if and how the accommodation request can be fulfilled.

The Family Educational Rights and Privacy Act (FERPA) protects student privacy rights. Student privacy rights are maintained through the student conduct process. Allegations, findings of responsibility, and resolutions remain private to the extent required by law. A record of all cases will be held within the Office of Student Affairs.

STUDENT RESPONSIBILITIES

When a report about student behavior that may be in violation of the Standards of Student Conduct (Administrative Procedure 5500) is filed with the Office of Student Affairs, the matter shall be addressed in a student rights and responsibilities meeting. The purpose of the meeting is to address the concern, uphold the student's due process rights, determine if the behavior occurred, offer an educational and developmental dialogue to discuss the impact of the behavior, and determine next steps with identified resolutions as appropriate. Within an equity-minded and educational framework, the student conduct administrator shall be responsible for upholding the student conduct procedures. The dean of Student Affairs or a designee has the right to bring a case forward to the Behavioral Intervention Team for review and consultation.

All communication with students will be conducted utilizing the contact information located in the student's account. As a result, it is the student's responsibility to update their contact information in their student account, so that the Office of Student Affairs may reach them to schedule a meeting to discuss the alleged violation of the standards of student conduct. It is also the student's responsibility to check and respond to email and phone communication in a timely manner.

INTERIM MEASURES

Pending the outcome of a student rights and responsibilities meeting, interim measures may be administratively imposed. Student conduct administrators also retain the right to administratively implement interim measures when a report of student behavior indicates that the student poses a threat of harm or is inimical to the welfare of others, or if it is necessary to ensure the orderly operations of the district. An interim measure

may be put in place to ensure the safety of the campus community, provide time for further evidence to be gathered and reviewed, and/or offer support to the responding party.

A responding party will receive verbal and/or written notice of the interim measure. Interim measures may include, but are not limited to, no contact orders, withdrawal of consent to remain on campus, restricted use of district property, class removal with academic accommodations, interim suspension, or more as deemed appropriate by the student conduct administrator.

To protect lives, property, or to ensure the orderly operations of the district, the student may be suspended for an interim period of ten (10) days (Education Code section 66017). In the event of an interim suspension, the student rights and responsibilities meeting shall be held within ten (10) days of the notice of interim suspension. Reasonable opportunity, such as academic accommodations, may be provided to the responding party during their interim suspension.

STUDENT RIGHTS AND RESPONSIBILITIES MEETING PROCEDURES

When a report about an alleged violation of the standards of student conduct is made to the Office of Student Affairs, the dean of Student Affairs or their designee will contact the responding party in written form via email at the email address noted in their student account. This email will inform the responding party that a concern about their behavior has been reported and they may be in violation of the district's standards of student conduct. This email will include the following: (i) a short statement of facts alleged in the report, (ii) the standard(s) of student conduct allegedly violated, (iii) the nature of the discipline that is being considered, and (iv) information about student conduct procedures and how to schedule a student rights and responsibilities meeting.

Students must arrange a student rights and responsibilities meeting within ten (10) days of the issued notice. Arrangements to hold the student rights and responsibilities meeting outside of the ten (10) day period can be arranged, but must be done so with the approval of the student conduct administrator within ten (10) days of when the meeting notice was issued to the responding party. If a responding party fails to schedule a student rights and responsibilities meeting within ten (10) days of the issued notice, the student conduct administrator retains the right to review the allegation in absentia, make a determination of finding of responsibility, and issue appropriate resolution(s) without the student's participation.

At the scheduled student rights and responsibilities meeting, the responding party will meet with the student conduct administrator to review the details of the allegation. The responding party has the right to receive notice of the allegations, share their perspective, present evidence related to the event in question, accept or not accept responsibility, share what they have learned, and have the right for an advisor to be present. Formal rules of evidence and court procedures do not apply. Relevant evidence, including hearsay, can be considered if it is the type of evidence that reasonable members of the college community would rely upon to make a decision.

Finding(s) of responsibility will be determined either at the student rights and responsibilities meeting, or at a later date to allow for more consideration, evidence, or witness statements

to be shared and reviewed as appropriate at the determination of the student conduct administrator. A finding of responsibility is determined based on the standard of preponderance of the evidence (more likely than not that the behavior occurred and violated a standard of the student conduct). When a finding of responsibility is determined, this information will be shared with the responding party via an in-person meeting, or in writing via email or print form.

If there is a finding(s) of responsibility, the resolution(s) will be determined by the student conduct administrator. The student conduct administrator may consider the responding party's conduct history, the current violation, the impact of their behavior, and other considerations when issuing a resolution.

RESOLUTIONS

When there is a finding of responsibility for a violation of a standard(s) of student conduct, one or more of the following resolutions may be implemented:

- ▶ **Warning:** A written warning is issued as a directive to cease the behavior in question and other violations of the standards of student conduct. Warnings may be issued to those found responsible for a first time, low-level violation with minimal impact. Following a written warning, any other violations of the standards of student conduct will result in an additional resolution.
- ▶ **Educational resolution:** An educational resolution may be issued when the student conduct administrator deems appropriate. Educational resolutions may include reflection papers, research assignments, creation of art pieces, active participation at seminars, trainings, institutes, webinars, or any educational outcome that is deemed culturally relevant, equity-minded, proportionate and relevant to the behavior and/or impact of the reported behavior. Educational resolutions shall not be of cost to the responding party and shall not conflict with attendance at class requirements. The purpose of educational resolutions is to help students deepen their understanding of their behavior from a new perspective, learn about the impact of their behavior, identify their values and goals, or support their learning.
- ▶ **Restorative resolution:** Restorative resolutions focus on addressing impact of behavior and reintegrating responding parties into the community. A restorative resolution requires the full agreement and voluntary participation of the responding party and other parties involved in the case, including but not limited to reporting parties and impacted parties. Restorative resolutions are designed to assist the responding party with identifying the impact or harm that was caused by their behavior, and provide a means for the responding party to repair that harm or impact as an active member of the community. Restorative resolutions should be timely in response. A responding party has the right to request a restorative resolution for consideration, and a student conduct administrator retains the right to not issue a restorative resolution should they deem it inappropriate for the situation.
- ▶ **No contact order:** A no contact order is an administrative directive that may be implemented without a finding of responsibility for a violation of the standards of student conduct. The no contact order between two or more parties prevents any contact between the parties (physical or otherwise, including, but not limited to verbal, written, electronic, text message, email, and social media). Additionally, the parties may not request contact with the other through a third party. A violation of a no contact order will result in an additional violation of the standards of student conduct.
- ▶ **Restricted access to district property:** The student conduct administrator has the right to restrict, modify, or limit a responding party's access to district property, including specific locations and equipment.
- ▶ **Withdrawal of Consent to Remain on Campus:** The student conduct administrator has the right to issue a withdrawal of consent of any person to be on campus, in accordance with California Penal Code Section 626.4, when there is reasonable cause to determine that the person has willfully disrupted the orderly operation of the district.
- ▶ **Two-Day Removal:** A faculty-initiated class removal that involves exclusion of the student from class by an instructor for the day of the exclusion and the next class meeting. If the exclusion is from an online class, then the instructor/faculty member may remove the student for a period of time that equates to two (2) class sessions. This decision cannot be appealed, and the instructor must report the removal to the Office of Student Affairs (Education Code section 76032).
- ▶ **Hold on Student Account:** A student conduct administrator may place a hold on a student's account when deemed appropriate. For example, a hold on a student account will be placed while a student is on an interim suspension, long-term suspension, has a withdrawal of consent to remain on campus, has been issued a recommendation for expulsion, or has been expelled from the district. This hold may be temporarily or permanently lifted when deemed appropriate by the respective student conduct administrator.
- ▶ **Disciplinary Probation:** When the behavior for a violation rises beyond a warning, or is repeated conduct, the student conduct administrator may place a student on disciplinary probationary. During disciplinary probation, any other violation of the standards of student conduct may result in an additional resolution, including suspension or expulsion from the district.
- ▶ **Long-Term Suspension:** Following a finding of responsibility, a long-term suspension may be implemented. A long-term suspension is exclusion of the student from one or more classes by the student conduct administrator for good cause for the remainder of the school term, or for one or more terms.
 - ▶ If a student wishes to enroll after the completion of a long-term suspension, the student should contact the Office of Student Affairs to request a reinstatement meeting. During the reinstatement meeting, the student conduct administrator, or designee, will meet with the student to review the gravity of the offense, evidence of any subsequent offenses, the likelihood that the student would cause substantial disruption if they are reinstated, and any other relevant matters to either permit or deny the student's request for reinstatement. The student conduct administrator may permit conditional reinstatement and specify the conditions under which reinstatement will be permitted (Education Code section 76030).

- **Expulsion:** An expulsion is permanent exclusion of the student from the district by the board of trustees (Education Code Section 76030). Following a finding of responsibility, an expulsion may be implemented for good cause when other means of correction fail to bring about proper conduct, or when the presence of the student causes a continuing danger to the physical safety of the student or others. Expulsions are notated on student transcripts.

APPEAL PROCEDURES

Students have the right to appeal a student conduct administrator's decision when the decision includes a resolution that is a long-term suspension, withdrawal of consent to remain on campus, and/or a recommendation for expulsion. No other decisions or resolutions can be appealed.

Appeal Procedures: Long-Term Suspension and Withdrawal of Consent to Remain on Campus

The appeal procedures for a long-term suspension and withdrawal of consent to remain on campus follow the same procedure. The responding party may request an appeal of a long-term suspension and/or withdrawal of consent to remain on campus by making a formal appeal hearing request in writing to the student conduct administrator within five (5) days of the issued finding(s) and resolution(s). The written appeal must include the reason for the requested appeal. The student conduct administrator shall present the request to a hearing officer within five (5) days of receiving the written appeal request.

The hearing officer will arrange for an appeal hearing to take place in a timely manner. During the appeal hearing, the responding party and student conduct administrator will have an opportunity to meet with the hearing officer in person to address the appeal request. If the responding party is not able to meet in person, accommodations can be made to hold the appeal hearing through electronic means, such as video conferencing. The hearing will be audio recorded.

The hearing officer may review the initial report, the responding party's conduct history, the student conduct administrator's justification for the finding of responsibility and the applicable resolution, the student's transcript, any provided evidence, speak with the responding student, the student conduct administrator, and/or witnesses who have direct knowledge of the incident in question, and review any relevant documentation to determine if the appeal will be granted.

The hearing officer shall explain the rules of the hearing and has final say about what evidence may be submitted and which witnesses may be addressed. Formal rules of evidence and court procedures do not apply. All participating parties shall agree to tell the truth, the whole truth, and nothing but the truth. The student conduct administrator and the responding party shall each be permitted to make an opening statement, limited to five (5) minutes each. Thereafter, the student conduct administrator shall be allowed time to address the facts of the case. The student then has the right to respond and address the allegations, and present evidence that supports their appeal. The hearing officer may ask questions of the responding party and the student conduct administrator. If deemed necessary or appropriate, the hearing officer may ask questions of the witness(es). The burden shall be on the student

conduct administrator to prove by a preponderance of the evidence that the facts alleged are true. The parties shall be permitted to provide questions to the hearing officer to consider and bring forward to the other parties involved, if deemed appropriate by the hearing officer.

The hearing officer will make a determination to either uphold, modify, or remove the long-term suspension and/or withdrawal of consent to remain on campus. The determination of the appeal will be communicated to the responding party within five (5) days of the appeal hearing. If the student disagrees with the decision of the hearing officer, a final appeal request may be made in writing to the vice president of Student Services or their designee. The vice president of Student Services or designee may review the student's final written appeal statement, the student conduct administrator's hearing summary, the audio recording of the hearing appeal and/or more, if determined necessary by the vice president of Student Services or designee. The vice president of Student Services or designee will make a determination to either uphold, modify, or remove the long-term suspension. The decision is final. The determination of the appeal will be communicated to the responding party within five (5) days of the final appeal review.

Appeal Procedures: Recommendation for Expulsion

If the student conduct administrator determines that a violation of the district's standards of student conduct is so egregious that it warrants expulsion from the district, the student conduct administrator may make a recommendation for expulsion. The responding party may request an appeal of a recommendation for expulsion by making a formal appeal hearing request in writing to the student conduct administrator within five (5) days of the issued finding(s). The written appeal must include the reason for the requested appeal. The student conduct administrator shall present the request to a hearing officer within five (5) days of receiving the written appeal review request.

The hearing officer will arrange for an appeal hearing to take place in a timely manner. During the appeal hearing, the responding party and student conduct administrator will have an opportunity to meet with the hearing officer in person to address the appeal request. If the responding party is not able to meet in person, accommodations can be made to hold the appeal hearing through electronic means, such as video conferencing. The hearing will be audio recorded.

The hearing officer may review the initial report, the responding party's conduct history, the student conduct administrator's justification for the finding of responsibility and the applicable resolution, the student's transcript, any provided evidence, speak with the responding student, the student conduct administrator, and/or witnesses who have direct knowledge of the incident in question, and review any relevant documentation to determine if the appeal will be granted.

The hearing officer shall explain the rules of the hearing and has final say about what evidence may be submitted and which witnesses may be addressed. Formal rules of evidence and court procedures do not apply. All participating parties shall agree to tell the truth, the whole truth, and nothing but the truth. The student conduct administrators and the responding party shall have time to make an opening statement, limited

to five (5) minutes each. Thereafter, the student conduct administrator shall be allowed time to address the facts of the case. The responding party then has the right to respond and address the allegations and present evidence that supports their appeal. The hearing officer may ask questions of the responding party and the student conduct administrator. If deemed necessary or appropriate, the hearing officer may ask questions of the witness(es). The burden shall be on the student conduct administrator to prove by a preponderance of the evidence that the facts alleged are true. The parties shall be permitted to provide questions to the hearing officer to consider and bring forward to the other parties involved, if deemed appropriate by the hearing officer.

The hearing officer will make a determination to either uphold, modify, or remove the recommendation for expulsion. The determination of the appeal will be communicated to the responding party within five (5) days of the appeal hearing. If the hearing officer upholds the recommendation for expulsion, the hearing officer shall issue a recommendation to the vice president of Student Services. If the vice president of Student Services supports the recommendation for expulsion, the recommendation will be forwarded to the board of trustees for an expulsion hearing.

The expulsion hearing will take place within thirty (30) days of the receipt of the recommendation. The board of trustees may hold the expulsion hearing during a regularly scheduled meeting or convene a special meeting. The student will be notified of the board of trustees expulsion hearing at least five (5) days prior to the board of trustees meeting at which the expulsion recommendation will be considered. The notification will include the date, time, and location of the board meeting.

The board of trustees expulsion hearing shall be conducted in closed session unless the responding party, within forty-eight (48) hours after receipt of the notice of hearing, formally requests in writing to the superintendent/president that the hearing be conducted in open session. Even if a responding party has requested the board consider an expulsion recommendation in an open session, the board will hold any discussion that might be in conflict with the right of privacy of any other student, other than the responding party, in closed session (Education Code section 72122).

During the hearing, the president of the board of trustees or a designee will serve as the hearing officer. The hearing officer shall explain the rules of the hearing and has final say about what evidence may be submitted and what witnesses may be addressed. Formal rules of evidence and court procedures do not apply. All participating parties shall agree to tell the truth, the whole truth, and nothing but the truth. The student conduct administrator and the responding party shall have time to make an opening statement, limited to five (5) minutes each. Thereafter, the student conduct administrator shall be allowed time to address the recommendation for expulsion. The student then has the right to respond and address the allegations, and present evidence that supports their appeal. The board may ask questions of the student and the student conduct administrator. If deemed necessary or appropriate, the board may ask questions of the witness(es). The parties shall be permitted to provide questions to the hearing officer

to consider and bring forward to the other parties involved, if deemed appropriate by the hearing officer.

After the hearing, the board of trustees will deliberate. The board may accept, modify, or reject the student conduct administrator's recommendation for expulsion. The board shall take action in open session and the result of the action shall be public record. The name of the student will not be released in public record unless required by law (Education Code section 72122).

The Office of Student Affairs will notify the responding party of the decision in writing within five (5) days of the hearing. If the student is expelled by the board of trustees, the student will be permanently excluded from enrolling at the district. The decision is final.

REFERENCES

Education Code Sections 66017, 66300, 66301, 72122, 76030-76037, 76234

Student Records & Privacy Rights

Student Records, Directory Information, and Privacy

The superintendent/president shall assure that student records are maintained in compliance with applicable federal and state laws relating to the privacy of student records.

The superintendent/president may direct the implementation of appropriate safeguards to assure that student records cannot be accessed or modified by any person not authorized to do so.

Any currently registered or former student of the district has a right of access to any and all student records pertaining to the student that are maintained by the district.

No district representative shall release the contents of a student record to any member of the public without the prior written consent of the student, other than directory information as defined in this policy and information sought pursuant to a court order or lawfully issued subpoena, or as otherwise authorized by applicable federal and state laws.

Students shall be notified of their rights with respect to student records, including the definition of directory information contained here, and that they may limit the information. Directory information shall include the following:

- ▶ Student name, address, phone number, email address, date of birth, dates of attendance, photograph, and enrollment status (full-time, half-time).
- ▶ Student participation in officially recognized activities and sports, including weight and height.
- ▶ Degrees, certificates, and awards received by students, including date, major, honors, scholarship awards, and athletic awards.

- ▶ President's List and President's Permanent Honor Roll recognition.

Release of Student Records

A cumulative record of enrollment, scholarship, and educational progress shall be kept for each student. No instructor, official, employee, or Board of Trustees member shall authorize access to student records to any person except under the following circumstances:

- ▶ Student records in the form of a transcript shall be released pursuant to a student's written or verified electronic consent. Students shall submit a signed transcript request to the Admissions and Records Office indicating the number of transcripts requested and destination. Students may submit an electronic transcript request whereby the identity of the requestor is verified through a series of questions and responses and validation of the payer. If identity cannot be verified electronically, the student's written signature will be required by the transcript-processing vendor prior to release of the academic record.
- ▶ Directory information may be released in accordance with the definitions in Board Policy 5040. Requests for release of directory information shall be submitted to the Director of Admissions and Records or the Dean of Admissions and Student Support for approval or denial. The district reserves the right to deny any such requests. Student records shall be released pursuant to a judicial order or a lawfully issued subpoena. Subpoenas shall be submitted to the Admissions and Records Office. The subpoenas shall be reviewed to determine the type of records requested and the appropriate office of retention of such records. Retrieval of records from college departments and offices shall be organized by Admissions and Records staff. The Director of Admissions and Records shall review the subpoena and gathered documents and, when required, prepare a declaration of records as submitted in order to comply with the subpoena. The district will make a reasonable effort to notify the eligible student of the order or subpoena in advance of compliance so that the eligible student may seek protective action, unless the disclosure is prohibited by regulation.
- ▶ Student records shall be released pursuant to a federal judicial order that has been issued regarding an investigation or prosecution of an offense concerning an investigation or prosecution of terrorism.
- ▶ Student records may be released to officials and employees of the district only when they have a legitimate educational interest to inspect the record. The supervisor of an employee who requires access to student records as part of their normal course of duties shall submit an access-to-records request as part of the hiring process. The employee shall be required to sign a confidentiality form to ensure compliance with privacy laws. Non-routine requests for access to student records shall be submitted to the Director of Admissions and Records or the Dean of Admissions and Student Support, who shall review the request for appropriate use, approve or deny the requests, and provide direction regarding proper disposal of records after use.
- ▶ Student records may be released to authorized representatives of the Comptroller General of the United States, the Secretary of Education, an administrative head of an education agency, state-education officials, or

their respective designees, or the United States Office of Civil Rights, when that information is necessary to audit or evaluate a state or federally supported educational program or pursuant to federal or state law. Exceptions are that when the collection of personally identifiable information is specifically authorized by federal law, any data collected by those officials shall be protected in a manner that will not permit the personal identification of students by other than those officials, and any personally identifiable data shall be destroyed when no longer needed for that audit, evaluation, and enforcement of federal legal requirements. Requests shall be submitted to the Dean of Institutional Planning, Research and Grants who in conjunction with the Director of Admissions and Records or the Dean of Admissions and Student Support shall monitor the retrieval and distribution of such records.

- ▶ Student records may be released to officials of other public or private schools or school systems, including local, county, or state correctional facilities where education programs are provided, when the student seeks or intends to register or is directed to register. The release is subject to the conditions in Education Code §76225. Requests shall be submitted to the Dean of Institutional Planning, Research and Grants who in conjunction with the Director of Admissions and Records or the Dean of Admissions and Student Support shall monitor the retrieval and distribution of such records.
- ▶ Student records may be released to agencies or organizations in connection with a student's application for, or receipt of, financial aid, provided that information permitting the personal identification of those students may be disclosed only as may be necessary for those purposes as to financial aid, to determine the amount of the financial aid, conditions that will be imposed regarding financial aid, or to enforce the terms or conditions of financial aid. Requests shall be submitted to the Director of Admissions and Records or the Dean of Admissions and Student Support who shall monitor the retrieval and distribution of such records.
- ▶ Student records may be released to organizations conducting studies for or on behalf of accrediting organizations, educational agencies, or institutions for the purpose of developing, validating, or administering predictive tests, administering financial-aid programs, and improving instruction, if those studies are conducted in such a manner as will not permit the personal identification of students or their parents by persons other than representatives of those organizations, and the information will be destroyed when no longer needed for the purpose for which it is conducted. Requests shall be submitted to the Dean of Institutional Planning, Research and Grants who in conjunction with the Director of Admissions and Records or the Dean of Admissions and Student Support shall monitor the retrieval and distribution of such records.
- ▶ Student records may be released to appropriate persons in connection with an emergency if the knowledge of that information is necessary to protect the health or safety of a student or other persons, subject to applicable federal or state law. Requests under this procedure shall be submitted to the Director of Admissions and Records, the Dean of Admissions and Student Support, grievance officers at San Elijo Campus and the Community Learning Center, or the Vice President, Student Services, who shall review the

request for appropriate use, approve or deny the requests, and provide direction regarding proper disposal of records after use.

- ▶ The following information shall be released to the federal military for the purposes of federal military recruitment: student name, address, telephone listing, date of birth, level of education, degree received, registration status, and major. Under FERPA, students may request that directory information be withheld. This protection will be honored under the Solomon Amendment.

Charge for Transcripts

A student/former student is entitled to two free copies of their transcript. Additional copies can be made available to the student or to an addressee designated by the student at the rate of five dollars per copy. A two dollar convenience fee will be added to the transcript requests submitted using the on-line system. Students may request special processing of a transcript.

Verifications of Student Records

A verification of enrollment certifies that the student is attending full time, half-time, or less than half-time. Degree verifications indicate graduation and certificate information including date and major.

The college has authorized the National Student Clearinghouse to provide online degree verifications to employers and background screening firms. There is a fee for this service. If a student has restricted access to Directory Information, the Clearinghouse will require a signed release by the requestor.

Use of Social Security Numbers

Effective January 1, 2007, the district shall not do any of the following:

- ▶ Publicly post or publicly display an individual's social security number.
- ▶ Print an individual's social security number on a card required to access products or services.
- ▶ Require an individual to transmit their social security number over the Internet using a connection that is not secured or encrypted.
- ▶ Require an individual to use their social security number to access an Internet website without also requiring a password or unique personal identification number or other authentication device.
- ▶ Print, in whole or in part, an individual's social security number so that it is visible on any materials that are mailed to the individual, except those materials used for:
 - ▶ Application or registration purposes
 - ▶ To establish, amend, or terminate an account, contract, or policy
 - ▶ To confirm the accuracy of the social security number.

If the district has, prior to January 1, 2004, used an individual's social security number in a manner inconsistent with the above restrictions, it may continue using that individual's social security number in that same manner only if:

- ▶ The use of the social security number is continuous.
- ▶ The individual is provided an annual disclosure that informs the individual that they have the right to stop the use of their social security number in a manner otherwise prohibited.

- ▶ MiraCosta Community College District agrees to stop the use of an individual's social security number in a manner otherwise prohibited upon a written request by that individual.
- ▶ No fee shall be charged for implementing this request, and the district shall not deny services to an individual for making such a request

Challenging Content and Access Log

Challenging Content

Any student may file a written request with the Director of Admissions and Records to correct or remove information recorded in their student records that the student alleges to be (1) inaccurate, (2) an unsubstantiated personal conclusion or inference, (3) a conclusion or inference outside of the observer's area of competence, or (4) not based on the personal observation of a named person with the time and place of the observation noted. The Director of Admissions and Records shall identify the appropriate administrator responsible for the record(s) in question.

Within thirty (30) days of receipt of the request, the appropriate administrator shall meet with the student and the employee who recorded the information in question, if the employee is presently employed by the district. The appropriate administrator shall then sustain or deny the allegations.

If the appropriate administrator sustains any or all of the allegations, they shall order the correction or removal and destruction of the information. If the appropriate administrator denies any or all of the allegations and refuses to order the correction or removal of the information, the student, within thirty (30) days of the refusal, may appeal the decision in writing to the superintendent/president.

Within thirty (30) days of receipt of an appeal, the Board of Trustees shall, in closed session with the student and the employee who recorded the information in question, determine whether to sustain or deny the allegations. If the board sustains any or all of the allegations, it shall order the superintendent/president or designee to immediately correct or remove and destroy the information. The decision of the board shall be final. If the final decision is unfavorable to the student, the student shall have the right to submit a written statement of objection to the information. This statement shall become a part of the student's record until the objected information is corrected or removed.

Whenever there is included in any student record information concerning any disciplinary action, the student shall be allowed to include in such record a written statement or response concerning the disciplinary action.

Whenever there is included in any student record information concerning any disciplinary action in connection with any alleged sexual assault or physical abuse or threat of sexual assault, or any conduct that threatens the health and safety of the alleged victim, the alleged victim of that sexual assault or physical abuse shall be informed within three (3) days of the results of the disciplinary action and the results of any appeal. The alleged victim shall keep the results of that disciplinary action and appeal confidential.

Access Log

A log or record shall be maintained for each student record that lists all persons, agencies, or organizations requesting or receiving information from the record and their legitimate interests. The listing need not include any of the following:

- ▶ Students seeking access to their own records.
- ▶ Parties to whom directory information is released.
- ▶ Parties for whom written consent has been executed by the student.
- ▶ Officials or employees having a legitimate educational interest.

The log or record shall be open to inspection only by the student and the Director of Admissions and Records, and by the Comptroller General of the United States, the Secretary of Education, an administrative head of an education agency, and state educational authorities as a means of auditing the operation of the system.

(Sources: MCCC Board Policy/Administrative Procedure 5040 and MCCC Administrative Procedure 5045. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Student Rights & Grievances

The purpose of MiraCosta College's Student Rights and Grievances Procedure (MCCC Administrative Procedure 5530) is to provide an efficient and equitable means of resolving student grievances. This procedure is available to students who believe a decision or action by an instructor, a college official, or another student has adversely affected their status, rights, or privileges as a student.

The college has a central point of contact on all three campuses. Please use the CARE Referral Form, found on the Student Affairs website, if you are in need of support or have a concern about anyone's behavior. If it is an emergency or related to immediate safety, please call College Police at 760.795.6640.

Grievances related to course grades are addressed in MCCC Board Policy 4231: Grade Changes, and Administrative Procedure 4231: Grade Changes.

For complaints or grievances related to sexual harassment, sexual assault, or discrimination (i.e., age, ancestry, citizenship status, color, physical disability, mental disability, ethnic group identification, sex, gender, gender identity, gender expression, genetic information, marital status, medical condition, national origin, parental status, race, religion, sexual orientation, or military and veteran status, or because they are perceived to have one or more of the foregoing characteristics), students should contact the Title IX Coordinator, Deputy Title IX Coordinators, and/or the MiraCosta College Police Department. Staff members in those areas will assist students with the correct processes for resolution. Complaint and investigation policies and procedures related to harassment and discrimination (including sexual assault, sexual violence,

dating violence, stalking, and domestic violence) can be found in Board Policy 3433: Prohibition of Sexual Harassment under Title IX, Administrative Procedure 3433: Prohibition of Sexual Harassment under Title IX, Administrative Procedure 3434: Responding to Harassment under Title IX, and Administrative Procedure 3435: Discrimination and Harassment Complaints and Investigations.

This procedure also does not apply to the following:

- ▶ Student conduct procedures, which is covered under MCCC Administrative Procedure 5500: Standards of Student Conduct and Administrative Procedure 5520: Student Conduct Procedures.
- ▶ Traffic tickets. Those complaints must be made to the local courts.
- ▶ Parking tickets. Those complaints must be made at the College Police Office.
- ▶ Grievances related to sexual harassment, sexual assault, or discrimination. Those complaints can be addressed through the options outlined in the policies and procedures noted above.

Definitions

The college: This means MiraCosta Community College District.

Grievance: A statement of a complaint about something believed to be wrong or unfair.

A student who has a concern or complaint must first follow the conflict resolution process, which is described below. The Student Affairs department can assist a student with this process.

Conflict Resolution

To resolve any issues with a faculty member, the student should make a reasonable effort to follow the steps listed below:

- ▶ Contact the instructor in person, by email, or by telephone, unless there is a valid reason (student feels intimidated, instructor unavailable after several attempts, etc.) to omit this step.
- ▶ If the concern or complaint is not resolved satisfactorily by contacting the faculty member, contact the faculty member's department chair in person, by email, or by telephone. The department chair will determine if the student contacted the faculty and, if applicable, explore their reasons not to do so.
- ▶ If the concern or complaint is still not resolved, contact the faculty member's dean in person, by email, or by telephone. The dean will determine if the student contacted the faculty and/or department chair and, if applicable, explore their reasons not to do so.
- ▶ If the concern or complaint is still not resolved, contact the dean of Student Affairs and/or the director of Student Life & Leadership at the Oceanside Campus, the director of Student Services at the San Elijo Campus, or the director of Student Services at the Community Learning Center to explore other possible options to address the concern.

To resolve any issue with a staff member or administrator, the student should make a reasonable effort to follow the steps listed below:

- ▶ Contact the staff member or administrator with whom the student has the grievance in person, by email, or by telephone, unless there is a valid reason (student feels intimidated, staff member or administrator unavailable after several attempts, etc.) to omit this step.
- ▶ If the concern or complaint is not resolved satisfactorily, contact the appropriate supervisor in person, by email, or by telephone.
- ▶ If the concern or complaint is still not resolved, contact the appropriate dean or department head in person, by email, or by telephone.
- ▶ If the concern or complaint is still not resolved, contact the dean of Student Affairs and/or the director of Student Life & Leadership at the Oceanside Campus, the director of Student Services at the San Elijo Campus, or the director of Student Services at the Community Learning Center to explore other possible options to address the concern.

To resolve a conflict with another student, the student with the complaint should make a reasonable effort to follow the steps listed below:

- ▶ If appropriate, discuss the issue with the other directly in person, by email, or by telephone unless there is a valid reason (student feels intimidated, other student unavailable after several attempts, etc.) to omit this step.
- ▶ Meet with the dean of Student Affairs and/or the director of Student Life & Leadership at the Oceanside Campus, the director of Student Services at the San Elijo Campus, or the director of Student Services at the Community Learning Center, or designee in person to explore other possible options to address the concern.

**All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.*

Additional Information

Full-Time Faculty & Administrators

Alarcon Antonio (2021) Dean, Letters, Humanities and Communication Studies
B.A., University of California, Irvine; M.A., M.F.A, National University

Ali Shafin (2007) Economics
B.S.S., M.S.S., University of Dhaka, Bangladesh; M.A., Ph.D., Claremont Graduate University

Allison Megan (2009) Horticulture
B.S., Cornell University; M.L.A., California State Polytechnic University, Pomona

Ante-Contreras Daniel (2017) English
B.A., M.A., University of California, Riverside

Apalatea Janeen (1999) Mathematics
B.S., University of California, San Diego; M.A., San Diego State University

Arenivar Sam (2005) Communication
B.A., M.A., San Francisco State University

Arquero Kristine (2017) Chemistry
B.S., University of California, Berkeley; M.S., City University of New York; Ph.D., University of California, Irvine

Askerneese Adrean (2009) Counselor
B.A., Point Loma Nazarene University; M.S., San Diego State University; M.M.F.T., Ed.D., University of Southern California

Bailey Suzie (2009) Biology
B.S., Ph.D., University of California, San Diego

Balcazar Yesenia (2015) EOPS Director
B.A., California State University, San Marcos; M.A., San Diego State University

Beltran Angela (2005) Mathematics
B.S., University of California, Los Angeles; M.S., California State University, Los Angeles

Benschop Joanne (2009) Articulation Officer
B.S., California State Polytechnic University, Pomona; M.P.A., California State University, Long Beach; M.S., University of La Verne

Bishop Eric (2000) Dramatic Arts
B.A., California State University, Fresno; M.F.A., California State University, Fullerton

Bloss Veronica (2019) EOPS/CARE Counselor
B.A., California State University, San Marcos; M.A., San Diego State University

Boland Phillip (2020) Film Studies
B.A., University of North Carolina, Greensboro; M.F.A., Art Center College of Design

Bolaños Theresa (2009) Chemistry
B.S., University of Houston; Ph.D., University of Texas, Austin

Bond Robert (2014) History
B.A., California State University, Fullerton; M.A., Ph.D., University of California, Los Angeles

Bonds David (2001) Mathematics
B.A., University of California, San Diego; M.A., University of California, Santa Cruz

Burd Abby (2020) Mental Health Counselor
B.A., Wesleyan University; M.S.W., San Diego State University

Burman Anthony (2008) English, Literature
B.A., University of San Diego; M.A., San Diego State University

Burns Larry (2002) EOPS/CalWORKs Counselor/Facilitator
B.S., M.A., San Diego State University

Byrd Krista (2014) Psychology
B.A., San Diego State University; M.A., Northern Arizona University

Byrom Brad (2001) History
B.A., M.A., California State University, Long Beach; Ph.D., University of Iowa

Carey Giana (2020) Nursing
B.A., B.S.N., California State University, San Marcos; M.S.N., University of Phoenix

Carstensen Eric (2009) Accounting
B.A., University of California, San Diego; M.B.A., National University

Chapeton-Lamas Nery (2014) Computer Science
B.S., University of California, Irvine; M.S., University of Iowa

Choi Min (2021) Media Arts and Technologies
B.A., San Diego State University; M.F.A., Vermont College of Fine Arts

Clark Raymond (2015) Biological Sciences
B.A., The Colorado College; M.A., Ph.D., Idaho State University

Clarke Elizabeth Dinamarca (2009) Noncredit English as a Second Language
B.S., Universidad de Santiago de Chile; M.A., Alliant International University

Clarke Paul (2003) Design
B.S., California State Polytechnic, Pomona; M.A., California State University, Long Beach; M.B.A., University of Southern California

Cleveland Karl (2006) Multimedia Technology
B.A., University of California, San Diego; M.A., San Diego State University

Cluff Leah (2011) Art
B.A., University of California, San Diego; M.A., University of New Mexico

Collins Laney (2018) Counselor
B.A., University of San Diego; M.S., National University

Conrad Scott (2019) Dean of Academic and Information Services

B.S., University of Wisconsin; M.B.A., University of Minnesota; M.S., Walden University; Ed.D., Brandman University

Coobatis Christy (1999) Music Technology, Music

B.A., Wayne State University; B.A., B.M., University of California, Irvine; M.M., California State University, Fullerton

Cooke Sunita (2015) Superintendent/President

B.A., The American University, Washington D.C.; Ph.D., Georgetown University

Cord Julie (2005) Noncredit Social Sciences

B.A., University of California, Berkeley; J.D., Lewis and Clark Northwestern School of Law

Cotnoir Leigh (2015) Media Arts and Technology

B.A., Louisiana State University; M.F.A., San Diego State University

Davis Ashley (2020) Child Development

B.A., University of California, San Diego; M.S., San Diego State University

Davis Donna (2001) Faculty Director, Career Studies & Services

B.A., Southeastern Massachusetts University; M.Ed., Bridgewater State College; M.A., University of Massachusetts

Davis Sean (2015) Sociology

B.A., M.A., California State University, San Marcos

Deineh Steven (2010) Librarian, Library Science

B.A., University of California, Los Angeles; M.L.I.S., San Jose State University; Advanced Certificate in Lesbian, Gay, Bisexual, and Transgender (LGBT) Studies, San Diego State University

Deschamps Michael (2008) Accounting

B.S., University of San Diego; M.S., San Diego State University

Detwiler David (2008) Spanish

B.A., Southern Oregon State College; M.A., San Diego State University

Diaz Zulema (2016) English, Literature

B.A., M.S., University of California, San Diego

Dicker Rich (2019) Medical Admin Professional

B.S., University of Phoenix; M.S., Colorado State University

Doig Lesley (2011) History

B.A., University of California, Santa Cruz; M.A., University of California, Riverside

Dua Arti (2014) Counseling

B.A., San Diego State University; M.S., National University

Duarte Karina (2016) SSSP Counselor

B.A., California State University, Long Beach; M.S., California State University, Northridge

Dunbar Keith (2000) Mathematics

B.A., San Diego State University; M.S., California State University, San Marcos

Duncan Yvette (2007) Nursing

B.S.N., San Diego State University; M.S.N., Point Loma Nazarene University

Duran Erica (2016) Noncredit English

B.A., M.A., California State University San Marcos

Eggleton Xuchi (2021) Art

B.A., San Diego State University; M.F.A., San Francisco Art Institute

Eso Steve (2004) Psychology

B.A., California State Polytechnic University, Pomona; M.A., University of Victoria

Estrella Roland (2008) Nursing

B.A., San Diego State University; M.S., University of Phoenix

Falero Roberto (2019) Oceanography, Geology, Earth Sciences

B.S., M.S., University of California, Riverside

Falker Matthew (2006) Music

B.M., Western Michigan University; M.M., University of Southern California

Fallstrom Scott (2011) Math Learning Center Coordinator

B.A., M.S., Eastern Washington University

Fanning Sean (2021) Theatre Design & Technology

B.F.A., Sonoma State University; M.F.A., San Diego State University

Farnam Michelle (2006) Counseling

B.A., California State University, Fullerton; M.A., Pepperdine University

Fast Lisa (2009) Psychology

A.A., MiraCosta College; B.A., M.A., Ph.D., University of California, Riverside

Figueroa Maria (2008) English

B.A., University of California, San Diego; M.A., Dartmouth College

Fino Michael (2004) Dean, Mathematics and Sciences

B.S., M.Eng., University of California, San Diego; Ed.D., San Diego State University

Firouzan Shawn (2017) Mathematics

B.A., B.S., University of Missouri, St. Louis; M.A., M.S., University of Maine

Fisher Kaitlin (2018) Chemistry

B.S., Sonoma State University; M.S., Ph.D, University of California, San Diego

Flocken Lise (2002) Director, Transfer Center

B.A., University of California, San Diego; M.S., Ed.D., United States International University

Flood Tim (2019) Vice President, Business Administrative Services

B.S., M.P.A., National University

Flores Claudia (2015) Child Development

B.S., San Diego State University; M.A., National University

Additional Information

Fohrman Jonathan (2013) Dean, Arts and International Languages
B.A., University of Washington; M.A., University of Washington

French Rica Sirbaugh (2004) Astronomy
B.S., Middle Tennessee State University; M.A., University of Texas, Austin

Fulbright Robert (2006) Health, Kinesiology
B.S., M.S., California State University, Northridge; Ph.D., Northcentral University

Gamboa Benjamin (2021) Associate Dean, Career Education
B.S., Regis University; M.B.A., University of Redlands

Gardiner Yana (2016) Nursing
B.S.N., Olivet Nazarene University; M.S.N., University of Phoenix

Gay Ruth (2007) Noncredit English as a Second Language
B.A., M.A., Azusa Pacific University

Gomez Ruben (2020) Administration of Justice
B.A., California State University, Fullerton; M.A., Chapman University; M.S., California State University, Long Beach

Gomez-Zinn Hilda (1996) Counseling
A.A., Southwestern College; B.A., M.A., San Diego State University

Goueth Pierre (2007) Chemistry
B.S., M.S., Ph.D., University of Picardie, France

Goulette Korey A. (2020) Psychiatric/Mental Health Nursing
R.N., Board of Registered Nursing; M.S., Point Loma Nazarene University

Green Ansina (2022) Child Development
B.A., University of La Verne; M.Phil., Walden University; M.A., Pacific Oaks College

Greenwald Lauren (2018) Photography
B.A., College of Charleston; M.F.A., University of New Mexico

Gross Mary (2005) English as a Second Language
B.A., California State Polytechnic University, Pomona; M.S., California State University, Fullerton; Certificate in Online Teaching, University of California, Los Angeles

Guerrero Jorge (2022) Counselor, Transfer Center
B.A., California State University, Long Beach; M.A., San Diego State University

Guinon Teresa (2008) English
B.A., M.A., Arizona State University

Gunn Billy (2014) Film
B.A., Arizona State University; M.A., Brigham Young University; M.A., Ph.D., University of Southern California

Ha Thao (2007) Sociology
B.S., University of Houston, University Park; M.A., University of Texas, Austin; Ph.D., University of Texas, Austin

Hagen Kelly (2008) English
B.A., University of California, Santa Cruz; M.A., San Francisco State University

Hanada-Rogers Trisha (1997) Dance
B.A., University of California, Santa Barbara; M.F.A., University of California, Irvine

Hastings Rachel (2018) Communication
B.A., California State University, Chico; M.A., California State University, Long Beach; Ph.D., Southern Illinois University, Carbondale

Hayashi Yoshimi (2001) Art
B.A., University of California, Los Angeles; M.S., California State University, Stanislaus; M.F.A., University of New Mexico

Hayek Laura (2016) SSSP Counselor
B.A., California State University, Long Beach; M.A., San Diego State University

Headlee Mary Beth (2016) Mathematics
B.S., M.S., West Virginia University

Hernández Pilar (2004) Spanish
B.A., University of Texas, Austin; M.A. University of California, Los Angeles

Hidle Jade (2015) English - Transfer
B.A., M.F.A., California State University, Long Beach; Ph.D., University of California, San Diego

Higginbotham Jeff (2019) SAS Director
B.S., California Polytechnic State University, San Luis Obispo; M.S., San Diego State University

Horton Wendy (2005) Counselor
B.A., Chico State University; M.A., Pepperdine University

Hoskins Bruce (2004) Sociology
B.A., University of California, San Diego; M.A., Ph.D., University of Southern California

Hosley Ticey (2022) Counseling
B.A., University of California, Berkeley; M.A., University of San Diego; Ph.D., San Diego State University and Claremont Graduate University

Hoste Tricia (2017) Noncredit English as a Second Language
B.A., Biola University; M.A., Fuller Theological Seminary

Hull Stacey (2013) Biology
B.S., Denison University; Ph.D., Ohio State University

Ihara Jeff (1991) Biological Sciences
B.S., University of California, Irvine; S.M., Ph.D., University of Chicago

Ingato Dominique (2018) Biotechnology
B.S., University of Pennsylvania; M.S., University of California, Irvine; Ph.D., University of California, Irvine

Isachsen Steve (2001) Computer Studies and Information Technology
A.A., West Valley College; B.A., University of California, San Diego; M.A., San Francisco State University

Jara José (1994) English
B.A., California State University, Chico; M.A., Arizona State University

Johnson Christina (2018) Chemistry
B.S., Brigham Young University; M.S., Ph.D., University of California, San Diego

Julius James (2011) Faculty Director, Online Education
B.S., M.A.T., Willamette University; Ed.D., SDSU-USD Joint Doctoral Program

Juncosa Barbara (2017) Biotechnology
B.S., University of Miami; Ph.D., The Rockefeller University

Katson Paul (2005) Automotive Technology
Certificate in Automotive Technology, MiraCosta College;
Automotive Service Excellence | ASE | certified technician

Kelley Robert (2002) Psychology
B.A., B.S., University of California, Irvine; M.A., Ph.D., University of California, San Diego

Kirwan John (1997) English
B.A., Washington University, St. Louis; M.A, Ph.D., University of California, Riverside

Kiyochi Emiko (2018) Japanese
B.A., Doshisha University, Japan; M.A., University of Southern California

Kulkarni Himgauri (2005) Biological Sciences
M.S., Marathwada University, India; Ph.D., Osmania University, India

Lambert Luke (2009) Reading, English
B.A., M.A., San Francisco State University

Lane Lisa M. (1989) History
B.A., California State University, Bakersfield; M.A., University of California, Santa Barbara; Certificate in Online Teaching, University of California, Los Angeles

Langager Arlie (2008) Music
B.A., Augustana University College; M.M., University of Calgary; D.M.A., University of Texas, Austin; Certificate in Arts Administration, Grant MacEwan College

Lara Luke (2009) Counselor
B.A., Carleton College; M.A., Ed.D., San Diego State University

Laurel Mark (2005) Mathematics
B.A., California State University, Sacramento; M.A., University of California, Berkeley

Lazootin Taya (2021) Geography
B.A., M.S., San Diego State University

Lindstrom Zhenya (2017) Dean, Instructional Services
B.S., M.S., Vladivostok State University

Loedel Delores (2015) Accounting
B.S., M.S., University of North Texas

Lomeli Sinar (2016) Counseling
B.A., University of California, Santa Barbara; M.S., University of Southern California

Lopez Alicia (2016) Sociology
B.A., University of California, Riverside; M.A., San Diego State University

Love Don (2018) Umoja Counselor
B.S., Azusa Pacific University; M.A., Point Loma Nazarene University

Luengo Isabel (1995) Philosophy
Licenciada, Barcelona University, Barcelona, Spain; Ph.D., Indiana University, Bloomington

Ma Richard (2008) Librarian, Library Science
B.A., University of Redlands; L.M.T. Credential, California State University, Long Beach; M.A., National University; M.A., California State University, San Bernardino; M.L.I.S., Drexel University

Makevich John (2020) Dean, Continuing and Community Education
B.S., University of California, San Diego; M.S., University of Arizona

Mariscal Apolinar (2017) Mathematics
B.S., M.S., California State University, San Marcos

Massey Dave (2004) Dance
B.S., Chapman University; M.F.A., University of California, Irvine

Mathis Stacey (2020) Career Counselor
B.S., M.A., San Diego State University

McCorkle Kent (2014) Chemistry
B.S., Rose-Hulman Institute of Technology; Ph.D., Auburn University

McFall Lauren (2017) Librarian
B.A., M.S., University of California, Los Angeles; M.L.S., San Jose State University

McFarland Casey (2015) Health, Kinesiology
B.A., University of California, Santa Barbara; M.P.H., San Diego State University

McField David (2009) Psychology
B.A., University of California, Berkeley; M.S., University of Southern California

Meinhold Gail (2009) Nutrition
B.A., California State Polytechnic University, San Luis Obispo; M.S., Chapman University

Mercado Serena (2018) Mathematics
B.S., M.S., California State University, San Marcos

Mercuri Emily (2022) Nursing
B.S., Grand Canyon University

Miller Lynne (2000) Anthropology
B.A., Pitzer College; Ph.D., University of California, Davis

Mitchell Curry (2014) English, Literature
B.A., M.A., California State University, San Marcos

Morgado Pedro (2018) Biological Sciences
B.S., Ph.D., University of California, Irvine; M.S., San Francisco State University

Additional Information

Morgan Rebecca (2014) Veterans Counselor
B.S., Columbia Bible College; M.A., Psy.D., Biola University

Mortaloni Nick (2017) Dean, Student Affairs
B.S., University of California, Los Angeles; M.S.W., University of Southern California; L.C.S.W., Board of Behavioral Sciences; Ed.D., San Diego State University

Munshower Donny (2017) Veterans Counselor
B.A., University of California, Davis; M.A., San Diego State University

Murico Jeffrey (2015) Religious Studies, Philosophy
B.A., San Diego State University; M.A., Claremont Graduate University; M.A., Ph.D. Claremont School of Theology

Myers Shannon (2011) Mathematics
B.A., M.A., San Diego State University

Nagai Tyrone (2017) English
B.A., University of California, San Diego; M.F.A., San Diego State University

Nakamura Lemee (2004) Mathematics
B.S., M.S., Ph.D., University of California, Irvine

Neri Gilbert (2007) Art
B.A., M.F.A., University of California, San Diego

Ng Charlie (2013) Vice President, Human Resources
B.S., San Diego State University; M.S., Claremont Graduate University; M.B.A., University of Redlands

Ngo Annie (2017) Business
B.B.A., University of San Diego; M.B.A., Arizona State University; Ph.D., University of San Diego

Nguyen Khang (2021) Physics
B.A., University of California, Berkeley; M.S., California State University, Long Beach; Ph.D., University of Washington

Nguyen Thong (2016) Chemistry
B.S., University of California, Irvine; M.S., Ph.D., University of California, San Diego

Odom Michelle (2021) Nursing
M.S., Point Loma Nazarene University

Ongyod Anthony (2009) Communication
B.A., San Diego State University; M.A., University of Hawaii at Manoa

Osman Ghada (2020) Mental Health Counselor
B.A., M.A., University of California, Los Angeles; M.A., Brandman University; Ph.D., Harvard University

Owens Candelaria (2001) EOPS/CARE Counselor/Facilitator
B.A., University of California, San Diego; M.A., San Diego State University

Paris Jennifer (2004) Librarian, Library Science
B.A., University of Washington; M.A., University of Iowa

Parker David (2009) Design
Bachelor of Architecture, Carnegie-Mellon University; Master of Architecture, Harvard University

Paulding Michael (2018) Computer Science
B.S., Bucknell University; M.S., Ph.D., University of Hawaii, Manoa

Peck Kris (2019) Learning Disabilities Specialist, SAS Counselor
B.A., California State University, Fullerton; Master of Rehabilitation Counseling, University of Kentucky

Perales Dara (2006) English
B.A., M.A., California State University, San Marcos

Perez Frank (2022) Ethnic Studies
B.A., California State University, Los Angeles; M.A., California State University, Fullerton; M.A., Ph.D., University of California, Riverside

Perez Medina Wally (2018) Biotechnology
B.A., International American University of Puerto Rico; M.S., Pontifical Catholic University of Puerto Rico

Perkins Allison (2020) Nursing
B.S.N., Niagara University; M.S.N., Ph.D., University of San Diego

Perovic Zikica (2005) Mathematics
B.S., M.S., University of Belgrade, Serbia; Ph.D., University of Minnesota

Perry Pamela (2004) Library
B.A., Clark University; M.L.I.S., University of Texas, Austin

Pescarmona Denée (2021) Vice President of Instruction Services
B.A., University of San Diego; M.A., Arizona State University

Peters Erika (2008) Physics
B.A., Dartmouth College; M.S., Ph.D., University of California, Los Angeles

Petri Andrea (2008) Italian, Spanish
B.A., University of Trieste, Italy; M.A., University Granada, Spain

Phillips John (2004) Political Science
B.A., California State University, Long Beach; M.A., M.Phil., Ph.D., Yale University

Phinney Alison (2018) Nursing
B.S., University of California, Santa Barbara; B.S.N., University of Oklahoma; M.S.N., Grand Canyon University

Pohlert Edward (2003) Faculty Director, Retention Services
B.A., California State University, Los Angeles; M.S., San Diego State University; Psy.D., Alliant International University

Powell Beth (1996) Mathematics
B.A., M.S., West Virginia University

Powers Leola (2009) Communication
B.A., M.A., Middle Tennessee State University; Ph.D., Ohio State University

Prescott JahB (2019) English
B.A., M.S.Ed., Old Dominion University

Ramirez Freddy (2004) Dean, Admissions and Student Support
B.A., M.B.A., California State University, San Marcos; M.A., San Diego State University; Ed.D., San Diego State University

Ramirez Oswaldo (2016) Noncredit Counselor
B.A., University of California, Los Angeles; M.S., San Diego State University

Ramos Dean (2006) Art
B.A., North Park College; M.F.A., University of New Mexico

Reyes Kristi (2004) Noncredit Vocational English as a Second Language
B.A., University of South Dakota; M.A., Northern Arizona University

Roberts Aaron (2019) English
B.A., Eureka College; M.A., Georgia Southern University

Robertson Eric (2010) Communication
B.A., California Polytechnic University, San Luis Obispo; M.A., San Diego State University

Safaralian Leila (2013) Mathematics
B.S., Azad University, Tehran; M.S., California State University, San Marcos; Ed.D., University of California San Diego

Salamon Joe (2016) Physics
B.S., California Institute of Technology; M.S., Ph.D., University of California, San Diego

Sanchez Violeta (2017) English, Literature
B.A., Texas A&M University; M.A., University of Houston; Ph.D., University of California, San Diego

Sankaranarayanan Suganya (2021) Business Administration
B.S., B.B.A., M.B.M., Eastern Institute for Integrated Learning in Management University

Scharff Nate (2018) Business Administration
B.S., San Diego State University; M.B.A., University of San Diego

Schlueter Jed (2010) Transfer Counselor
B.A., University of California, Santa Cruz; M.Ed., University of Southern California

Senigaglia Angela (2011) Noncredit English
B.A., San Diego State University; M.A. Notre Dame de Namur University

Sepulveda Jeanine (2004) Biology
B.A., M.A., California State University, Fullerton; Ph.D., Scripps Institute of Oceanography-University of California, San Diego

Sharp Christina (2006) Business
B.S., California State University, San Marcos; M.S., University of La Verne

Siegel Dan (2010) Music Technology
B.A., University of Oregon; M.M., University of Southern California

Silva Mariana (2018) Noncredit ESL
B.A., M.A., Lucian Blaga University of Sibiu, Romania; M.A., California State University, San Marcos

Simpson Susan (2003) Nursing
B.S.N., California State University, Dominguez Hills; M.S.N., University of Phoenix

Sipman Glorian (2001) Librarian, Library Science
B.A., M.A., University of California, Los Angeles; M.L.S., University of Arizona

Sleeper Christopher (2008) History
B.A., University of California, Santa Barbara; M.A., University of California, Riverside

Snortum Eric (2021) Earth Sciences, Geology, Oceanography
B.S., M.S., University of California, San Diego

Solis Ariana (2022) Counseling
B.A., M.A., San Diego State University

Stewart Wendy (2011) Dean, Counseling and Student Development
B.A., University of California, San Diego; M.S., San Diego State University; Ed.D., University of Southern California

Strona Jacob (2015) English
B.A., M.A., California State University, San Marcos

Stubblefield Shannon (2022) Vice President, Institutional Advancement
B.S., San Diego State University; M.A., University of San Diego

Sullivan Jim (2004) English
B.A., Georgetown University; M.A., Claremont Graduate University

Taccone Al (2007) Dean, Career Education
B.S., Bryant College, Rhode Island; M.B.A., Anna Maria College, Massachusetts; Ph.D., Walden University, Minnesota

Tarman Christopher (2020) Dean, Research, Planning and Institutional Effectiveness
B.A., California Polytechnic State University, San Luis Obispo; M.A., University of Delaware

Taylor Krystle (2019) Learning Disabilities Specialist, SAS Counselor
B.S., University of Maryland, University College; M.S., San Diego State University

Thomford John (1996) Biology
B.S., University of California, Davis; M.S., University of Nevada, Reno; Ph.D., University of California, Davis

Toharia Cristina (2016) French
B.A., Universidad Autonoma de Madrid; M.A., Ph.D., University of California, Santa Barbara

Torok Stephen (2008) Music
B.F.A., Carnegie Mellon University; M.M., University of Southern California

Trzoss Lynn (2019) Chemistry
B.S., M.S., University of California, Los Angeles; Ph.D., University of California, San Diego

Tsuyuki Chad (2010) English, Literature
B.A., M.F.A., California State University, Long Beach

Tucker Sade Alexis (2016) Anthropology
B.A., University of Hawaii, Manoa; M.A., Ph.D., University of California, San Diego

Additional Information

Turbeville John (2006) Geology, Oceanography
B.S., San Diego State University; M.S., University of New Orleans

Vail Steve (2005) Automotive Technology
A.A., Santa Monica College; B.A., California State University, San Marcos

Vasquez Gonzales Cynthia (2016) Noncredit Counselor
B.A., California State University, San Bernardino; M.A., University of Redlands

Vidal Lilia (1999) Spanish
B.A., California State University, Bakersfield; M.A., San Diego State University

Viramontes Rosa E. (2009) Spanish
B.A., M.A., University of California, Los Angeles

Walker Catherine (2019) Computer Science
B.A., Rutgers University; M.S., University of Pennsylvania; M.A., University of Hawaii, Manoa

Walker Tina (2020) Biology/Human Anatomy
B.S., University of California, Irvine; M.S., California State University, Fullerton

Welch-Scalco Rhonda (2018) Child Development
B.A., California State University, Northridge; M.A., San Diego State University; Ph.D., University of California, Riverside

West Janelle (2017) Biology
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Glossary

Academic and Career Pathways (ACPs)

Collections of majors with related courses that fit within a career area. ACPs help students narrow down their area of focus and begin developing an educational plan that leads to degree or certificate completion or transfer. (See Degree and Certificate Programs.)

Academic Map

A term-by-term suggested sequence of courses for obtaining a certificate or degree or for preparing to transfer in a major/program. Academic maps are available under the Academic and Career Pathways on the college website. (See Degree and Certificate Programs.)

Academic Renewal

A process through which students can petition to exclude low grades from their MiraCosta College grade point average. The grades must be from classes completed at least two years prior; a maximum of 30 units may be excluded. Petition forms are available at the Admissions and Records Office. (See Academic Renewal (p. 401) under Academic Standards & Policies.)

Advisory

Recommended preparation that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program. Students have the right to take a course without meeting the advisory and are encouraged to do so if they feel that their education, work experience, or other circumstances have prepared them.

Application for Admission

This form must be completed before a new student is allowed to register for classes. Returning students who have missed one semester (excluding summer intersession) must submit a new application. The application form is available from the Admissions & Records Office and website.

Area of Study

An academic discipline.

Articulation Agreements

A list of courses offered at MiraCosta College that are acceptable at transfer universities as equivalent in content (or as acceptable substitutes) to those courses offered by the universities.

Assessment

Testing to meet course prerequisites and/or to determine proper placement in courses.

ASSIST

The official transfer and articulation system for California's public colleges and universities. The ASSIST.org website contains all articulation agreements between California community colleges and University of California and California State University campuses. (See www.assist.org.)

Associate Degree (AA, AS, AA-T, AS-T)

A degree awarded upon completion of lower-division coursework totaling not fewer than 60 semester units in the

major, general education, and electives. (See Associate Degrees (p. 67).)

Associate Degree for Transfer (ADT)

A degree developed as a result of the Student Transfer Achievement Reform (STAR) Act and designed to provide a clear pathway to a California State University (CSU) major and baccalaureate degree. It requires completion of lower-division coursework totaling not fewer than 60 semester units in the major, general education, and electives. California community college students who are awarded an ADT are guaranteed priority admission with junior status to a participating CSU campus and given priority admission to their local CSU campus. (See Associate Degrees (p. 67).)

Bachelor's or Baccalaureate Degree (BA, BS)

A degree received upon completion of coursework totaling a minimum of 120 semester units. These units include lower- and upper-division major and general education courses as well as electives.

Catalog

A publication that describes the college's academic programs, courses, student services, requirements, policies, and procedures.

Catalog Rights

Rights that protect students from being held responsible for changes made to their academic programs in the years that follow their initial enrollment. These rights are established when a student first takes classes at MiraCosta College and are maintained through continuous enrollment at the college (see Continuous Enrollment). The catalog used to determine graduation eligibility is the catalog operating at the time the student began continuous enrollment at MiraCosta unless the student's petition requests a different catalog.

C-ID

A common number assigned to comparable courses within the California community college system. When a C-ID number is listed in the catalog or schedule at the end of a MiraCosta course description, students can be assured that it will be accepted in lieu of a course bearing the same C-ID designation at another community college. The C-ID designator means the course is comparable in content and scope to a similar course offered by participating California community colleges. (See C-ID Courses (p. 26).)

Certificate

Awarded upon completion of coursework leading to proficiency or achievement, usually in a vocation or occupation.

Class Schedule

A listing of classes to be offered during a specific semester (fall, spring, summer). The schedule also contains an online registration schedule, testing dates and times, and general information of interest to new and continuing students.

Committee on Exceptions

A process through which students can petition to deviate from the college's policies and procedures. Petition forms are available in the Admissions and Records Offices.

Community Services Classes

Classes or workshops that are fee-based, noncredit enrichment courses. Neither credit nor grades are given, and no records are kept. (See Community Education & Workforce Development (p. 394).)

Continuing Education (Tuition-Free Noncredit)

Tuition-free courses offered as part of the Adult High School (p. 372) and other authorized categories of noncredit instruction. (See Noncredit Courses (p. 379).)

Continuous Enrollment

To be considered continuously enrolled, a student must have received a letter grade (including "W") for each semester from the semester of initial enrollment to the semester when all degree and/or certificate requirements are completed. A one-semester leave does not negate a student's continuing status.

Corequisite

A course that a student is required to take during the same semester or term with another course. Corequisites are enforced through the registration process.

Distance Education (DE)

Education that uses one or more technologies (such as the Internet) to deliver instruction to students who are separated from the instructor and to support regular and substantive interaction between the students and instructor either synchronously (at specific days/times) or asynchronously (not at specific days/times).

Educational Plan

A suggested pathway of courses for students based on their major, transfer goals, or other objectives.

Electives

Courses students choose, allowing them to study topics of personal interest. Electives, when added to a program's major and general education requirements, make up the total number of units needed to complete a degree program.

EOPS (Extended Opportunity Programs and Services)

Provides outreach and special assistance to students from culturally, educationally, or financially disadvantaged backgrounds. (See EOPS (p. 45).)

Final Examinations

Tests given on fixed days at set times at the end of each course, according to the schedule published in the class schedule.

Financial Aid Program

Designed to provide grant, work, and/or loan assistance to students who are enrolled at least half-time and who meet income guidelines. (See Financial Aid (p. 45).)

Free Application for Federal Student Aid (FAFSA)

Application required for federal financial aid eligibility determination. The form is available in the Financial Aid Office or electronically at <https://studentaid.gov/h/apply-for-aid/fafsa>. The FAFSA can be used at community colleges and four-year institutions. A new application is required each academic year.

Full-Time Student

One who takes classes equaling 12 or more units per semester.

General Education (GE)

Courses designed to help students achieve a working knowledge of core subjects that are organized by discipline areas, such as English composition, mathematics, and social and behavioral sciences. (See General Education for links to MiraCosta's three general education plans.)

Grade Points

Points per unit given for academic grades.

A = 4 points

B = 3 points

C = 2 points

D = 1 point

F = 0 points

GPA

Grade point average; determined by dividing total grade points by total graded units attempted.

Half-Time and Three-Quarter Time Student

One who takes classes equaling 6–8.5 units per semester is considered half-time; 9–11.5 units is three-quarter time.

Honors Program

An academic program offering the possibility of graduating with honors and priority or guaranteed admission to certain competitive four-year colleges and universities. (See Honors Program (p. 55).)

Hybrid Course

A course that is taught partially on a MiraCosta campus and partially online.

IGETC (Intersegmental General Education Transfer Curriculum)

A general education program that California community college transfer students can use to fulfill all lower-division G.E. requirements at any CSU or UC campus (except Revelle and Roosevelt colleges at UCSD). (See Plan C (p. 82).)

Late-Start Classes

Classes that begin later in the semester and compress the time required so students finish at the end of the regular semester.

Major

A specialized area of study that leads to a degree or certificate.

Major Electives

Courses students choose from a group of courses that are directly related to their major. Major electives, when added to a degree or certificate program's core requirements, help make up the total number of units needed to complete the degree or certificate program.

Matriculation

An application, assessment, orientation, and advisement process for new students. (See Matriculation (p. 18).)

Medal of Academic Merit

The college's highest academic honor awarded annually to recognize selected students' academic achievements. Faculty members nominate the recipients. (See Academic Awards (p. 54).)

Non-Degree Applicable Courses

Includes college-preparatory courses in basic skills and counseling (numbered 0 to 49) as well as specialized or advanced courses (numbered 900 and above).

Non-Resident Fee

The law requiring that out-of-state students pay extra tuition.

Online Class

A class that is offered entirely via the Internet. Many online classes are offered each semester, and they are identified in an online schedule within each semester's class schedule.

Part-Time Student

One who takes classes equaling fewer than 12 units per semester.

Prerequisite

A requirement students must satisfy prior to enrolling in a particular course or educational program. Prerequisites are enforced through the registration process.

President's List

An honor designed to recognize students who achieve at high levels during a given semester. (See Academic Awards (p. 54).)

President's Permanent Honor Roll

An honor designed to recognize students who qualify for placement on the President's List at least three semesters. (See Academic Awards (p. 54).)

Probation

A warning status that scholastic standards are not being met. (See Academic Progress, Probation & Probation Appeal Process (p. 399) under Academic Standards & Policies.)

Registration

Signing up for specific classes and paying fees.

SAS (Student Accessibility Services)

Assists students who seek academic accommodations due to a documented disability. (See SAS.)

Semester

A 16-week period of coursework offered fall and spring.

Sophomore

A student who has completed at least 30 but fewer than 60 degree-applicable units of college credit.

Student Learning Outcome

Student learning outcomes identify the knowledge, skills, abilities, and attitudes that students will be able to demonstrate

as a result of their engagement in a particular course, program, or collegiate experience.

SURF

MiraCosta's online registration and student center.

Syllabus

An instructor-prepared and distributed statement of a course's objectives, expected student learning outcomes, attendance requirements, grading practices, required reading, due dates for assignments, and schedule of examinations.

TAG (Transfer Admission Guarantee)

TAG programs guarantee qualified MiraCosta students admission to most University of California campuses. (See UC Transfer (p. 93).)

Transcript (of Record)

An official copy of the record of classes attempted/completed by a student.

Tutor

A person recommended by faculty as knowledgeable in specified subjects who is available free of charge through the Tutoring & Academic Support Center (p. 42) to work with an enrolled student in need of help with coursework.

Units Attempted

Credit units (see Unit of Credit) in which the student was enrolled.

Unit of Credit

A credit hour of college work involving approximately one-to-three hours per week of lecture, activity, or laboratory with a credentialed instructor for a semester. Students are expected to spend two hours outside of class in preparation for each hour of lecture. Less outside preparation time is expected for laboratory courses. One unit of credit is thus understood to represent at least three hours of the student's time each week for a semester.

Unit Limitations

A normal study load per semester is 15 units. Students may not register for more than 18 units in a regular semester or 9 units in summer intersession without approval from a MiraCosta counselor.

Wait List

A list of students waiting to register for a closed class.

Work Experience

A program that combines classroom studies with on-the-job experience. (See Cooperative Work Experience (p. 54).)

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