



General
Information



Degrees
& Certificates



Credit &
Noncredit Courses



Standards
& Policies

CATALOG

2017-2018



MIRACOSTA COLLEGE 2017-2018 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 2017 through summer 2018.

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 College and are maintained through continual 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 continually 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 continual enrollment at MiraCosta College unless the student's petition requests a different catalog. The other catalogs that can be used to determine eligibility are catalogs in effect during the time the student has maintained continual enrollment at MiraCosta College or the catalog in effect during the student's last semester of attendance at MiraCosta College. Students who need 6 or fewer units in order to satisfy all degree requirements may be evaluated under the original catalog that applied.



STATEMENT OF ASSURANCE

Every effort is made to ensure that the course information, applicable policies, and other materials presented in the MiraCosta College Catalog are accurate and current. In the event a correction or update is warranted, a catalog addendum will be published electronically and will be available for download as a Portable Document Format (PDF) file from the catalog website at catalog.miracosta.edu.

MiraCosta College

2017-2018 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), 10 Commercial Boulevard, Suite 204, Novato, CA, 94949, (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 G.I. Bill of Regulations.

Specialized Program Accreditation

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

Registered Nursing 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

Surgical Technology Program

Accredited by the Commission on Accreditation of Allied Health Education Programs, 1361 Park Street, Clearwater, FL 33756. Phone: 727-210-2350. Submit complaints electronically at <http://www.caahep.org/Students/Complaint-Policy.aspx>

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: bnvnt@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.

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 2017-2018

Fall Semester 2017

May 1	SURF enrollment for fall begins*
August 21	First day of fall semester classes
September 1	Last day to add classes
September 1	Deadline to withdraw without a "W"
September 4	Labor Day (college closed)
September 22	Deadline to file a petition for degree/certificate for fall
September 22	Deadline to petition for pass/no pass grade
November 10	Veterans Day (college closed)
November 17	Deadline to withdraw without an evaluative grade
November 23-24	Thanksgiving (college closed)
December 11-14	Final examinations
December 16	End of fall semester
December 25-January 1	College closed

Spring Semester 2018

November 13	SURF enrollment for spring begins*
January 15	Martin Luther King, Jr. Day (college closed)
January 22	First day of spring semester classes
February 2	Last day to add classes
February 2	Deadline to withdraw without a "W"
February 16-19	Lincoln's & Washington's Birthday observed (college closed)
February 23	Deadline to file a petition for degree/certificate for spring
February 23	Deadline to file a petition for pass/no pass grade
March 19-24	Spring break
March 22-23	College closed
April 26	Deadline to withdraw without an evaluative grade
May 21-25	Final examinations
May 25	End of spring semester
May 25	Commencement
May 28	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 17,000 students are taking classes at our picturesque Oceanside or San Elijo Campuses, in addition to the Community Learning Center, Technology Career Institute or online, and this fall we launch a historic bachelor's degree program in biomanufacturing.

I joined the MiraCosta College team as its superintendent/president in January 2015 because I wanted to be a part of a community that is so obviously dedicated to excellence in teaching and learning. At MiraCosta, that dedication is evident through the efforts of our faculty and staff, 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, or resources for veterans, MiraCosta College has but one priority in mind: you.

MiraCosta, though, is more than a college. An array of vibrant student clubs and leadership programs nurture our students' creativity, expand their learning outside the classroom, and allow them to meet people from around the world.

As MiraCosta College grows, we will continue to meet the needs of our students and our community. We do this by working closely with industry partners in developing job training

programs. And we do this through innovation, such as teaming with local public and private universities to help students transition to a bachelor's degree.

With the passage of Measure MM, a \$455 million bond, you will begin to see a great deal of construction and building around campus. Please excuse the inconvenience or dust as MiraCosta College focuses on improving our facilities to better serve you in your education.

If you see me around campus, I hope you'll stop and say "hi" and express the ways MiraCosta College can continue to serve you.

Best wishes for a successful academic year!

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

About MiraCosta College

Mission & Institutional Goals

Mission

The MiraCosta Community College District mission is to provide superior educational opportunities and student-support services to a diverse population of learners with a focus on their success. MiraCosta offers undergraduate degrees, university-transfer courses, career-and-technical education, certificate programs, basic-skills education, and lifelong-learning opportunities that strengthen the economic, cultural, social, and educational well-being of the communities it serves.

Institutional Goals

Goal I. MiraCosta Community College District will become a vanguard educational institution committed to innovation and researched best practices, broad access to higher education, and environmental sustainability.

Goal II. MiraCosta Community College District will become the institution where each student has a high probability of achieving academic success.

Goal III. MiraCosta Community College District will institutionalize effective planning processes through the systematic use of data to make decisions.

Goal IV. MiraCosta Community College District will demonstrate high standards of stewardship and fiscal prudence.

Goal V. MiraCosta Community College District will be a conscientious community partner.

Student Learning Outcomes and 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 <http://miracosta.curricunet.com/PublicSearch/Index/>.

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, La Costa, Encinitas, Olivenhain, Rancho Santa Fe, Cardiff by the Sea, Solana Beach, Del Mar, and Carmel Valley. 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 15,000. Students take credit courses at the Oceanside Campus, the San Elijo Campus in Cardiff, and several off-campus locations, such as Sage Creek High School in Carlsbad, as well as online. A small number of credit courses are also available at the college's Community Learning Center, which also serves about 2,500 students in noncredit programs. An additional 2,000 students are enrolled in fee-based programs.

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 760.795.6615. 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 two 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 this Campus

The newest addition to the Oceanside Campus is a new, high-tech science building. The fully sustainable building, known as **Building 4900**, houses two state-of-the-art biology laboratories.

This campus also boasts a 430-seat Concert Hall and a classroom building for art/music history and new genre arts. These two buildings complete the **Creative Arts Complex**, which also includes the 240-seat College Theatre; a three-level building completed in 2009, which houses studios, classrooms, and rehearsal spaces for art and music; and an art building that houses ceramics and sculpture studios and a photography lab.

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

Completed in fall 2007, 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 lab, and more than 200 computers for student use.

San Elijo Campus



3333 Manchester Avenue
Cardiff, CA 92007-1516

About MiraCosta College

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 Service classes and workshops.

Student services at the San Elijo Campus include Admissions and Records, Counseling, Tutoring, Testing, and Student Activities. 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).

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

Community Learning Center



1831 Mission Avenue
Oceanside, CA 92058-7104
760.795.8710

MiraCosta's Community Learning Center, located one mile east of I-5 in Oceanside, hosts a wide variety of noncredit courses at more than 30 district locations. The center offers courses in each of the following authorized noncredit categories: elementary and secondary basic skills, English as a Second Language (ESL) and citizenship, health and safety, older adults, parenting, special education for adults, and short-term vocational. The center also houses the Cisco Networking Academy, which offers classes that prepare students for computer industry certifications. The center also houses some credit courses.

Technology Career Institute



2075 Las Palmas Drive
Carlsbad, CA 92011
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 providing a strong, supportive, and authentic environment where difference is valued, respected, encouraged, and honored; where all faculty, staff, and students experience a sense of belonging and the freedom to express themselves; and where their experiences are recognized and valued. MiraCosta College strives to be a model for equity and inclusion.

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.

(Source: M CCD Board Policy 3400. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)



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 he or she is 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 compliance with Section 504 of the Rehabilitation Act of 1974, MiraCosta College has designated Connie Wilbur (cwilbur@miracosta.edu) as its Section 504 coordinator. Students or community members with verified disabilities may be entitled to appropriate accommodations. A variety of alternative formats are readily available; others may require additional time to provide. Questions regarding access of students with disabilities to any college program or service may be directed to the Disabled Student Programs and Services Office, 760.795.6658.

MiraCosta College invites individuals with disabilities who plan on attending college events to contact Joe Mazza

(jmazza@miracosta.edu), 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 ten 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 ensure that no one is denied access to education because of financial need and that resources are available to enrich the college experience for all students. The Foundation is a 501(c)(3) nonprofit corporation governed by a volunteer board of community leaders and administered by the Office of Development and College Foundation. Over the past 5 years, the Foundation has more than doubled contributions to the college, which in turn tripled the number of students who receive scholarships and doubled private resources that support campus programs. One of the Foundation's priorities is the MiraCosta Promise, which will offer a year of college without fees to eligible students. The Promise will also provide funding toward textbooks and instructional supplies to those who commit to the Promise requirements.

Individuals, corporations, and civic groups work with the MiraCosta College Foundation to achieve their philanthropic goals. Many choose to fund scholarships, while others support the enhancement of academic programs and facilities through the President's Circle. Benefactors contribute between \$1,000 and \$10,000 annually and support a variety of needs at the college, including student scholarships, capital projects, program enhancement grants, and educational equipment. President's Circle members are invited to meet with MiraCosta's president to learn about the college and its role in the community and to share their ideas, thereby creating a valuable link between the college and the communities it serves.

For more information about the MiraCosta College Foundation and how you can be a part of transforming lives, please contact the Development and College Foundation Office at 760.795.6777.

College Leadership

Board of Trustees

President, Trustee Area 6 (Northwest Oceanside) - David Broad, Ph.D.

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Vice President, Business and Administrative Services - Charlie Ng, M.B.A.

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Dean, Office of Institutional Effectiveness - Chris Hill, Ph.D.

Dean, Student Life and Judicial Affairs - Dilcie Perez, Ed.D.

Associate Dean, Career and Technical Education - Zhenya Lindstrom, M.S.

Associate Dean, Nursing and Allied Health - Sandy Comstock, M.S.N.

Associate Dean, San Elijo Campus - Cynthia Rice Carroll, M.A.

Department Chairs

Administration of Justice - Pat Connolly, J.D.

Adult High School - Angela Senigaglia

Art - Yoshi Hayashi

Automotive Technology - Paul Katson

Biological Sciences - Julie Haugsness-White

Biotechnology - Gail Baughman, Ph.D.

Business - Christina Sharp

Career Studies and Services - Donna Davis

Chemistry - Theresa Bolaños, Ph.D.

Child Development - Penny Skemp

Communication Studies - Eric Robertson

Computer Science - June Porto

Computer Studies and Information Technology - Steve Isachsen (Fall 2017) and Paul Clarke (Spring 2018)

Counseling - Wendy Horton

Dance - Trisha Hanada-Rogers

Design - Paul Clarke (Fall 2017) and David Parker (Spring 2018)

English as a Second Language - Mary Gross

History - Brad Byrom, Ph.D.

Horticulture and Hospitality - Karen Smith, Ph.D. (Fall 2017) and Claire Ehrlinger (Spring 2018)

International Languages - Pilar Hernández

Kinesiology, Health, and Nutrition - Gail Meinhold

Letters, Pre-Transfer - Teresa Guinon

Letters, Transfer - John Kirwan, Ph.D.

Library Science - Richard Ma

Mathematics - Beth Powell

Media Arts and Technologies - Jill Malone

Music - Dan Siegel

Noncredit English as a Second Language - Kristi Reyes

Nursing and Allied Health - Yvette Duncan

Philosophy - Louisa Moon, Ph.D.

Physical Sciences - John Turbeville

Psychology - Steve Eso

Social Science - Lynne Miller, Ph.D.

Sociology - Thao Ha, Ph.D.

Theatre and Film - Eric Bishop

Academic Senate

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Admissions & Enrollment



Matriculation: Orientation & Advisement

The Matriculation Process

The matriculation process (application, assessment, 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 enrolling in the fall must complete at least an abbreviated education plan to earn priority enrollment, and they must complete a comprehensive education plan within two semesters to maintain priority.

All matriculation services are free for MiraCosta College students. Students who are new to college and plan to transfer, earn an associate degree or a vocational certificate, or improve basic skills, or who are undecided about their goal, should follow this process.

Students new to college (first-time freshmen) or new to MiraCosta College should complete the matriculation process when they apply or as soon as possible thereafter. Students who matriculate may enroll earlier than non-matriculated students (this does not apply to concurrently enrolled high school students).

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 enrollment privileges.

Important!

- ▶ Students must have an Application for Admission on file before taking the assessments unless they are testing for another college. (A fee is charged if testing for another college.)
- ▶ Appropriate photo ID is required to take the assessment(s) and to pick up assessment scores.
- ▶ English/ESL and/or mathematics assessments do not require an appointment.

Steps to Becoming a Matriculated Student

Step 1: Application

Students complete and submit an online Application for Admission. After their application is processed, students are assigned a SURF ID number that they will use the entire time they attend MiraCosta.

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: Assessment (Testing)

Assessments and Multiple Measures

There are many ways to complete the assessment process at MiraCosta College. The assessment process uses alternative multiple measures to help place you in courses in which you will thrive. In order to be eligible for placement via multiple measures, students must have recently (within the last 10 years) attended a United States high school for three or more years. The first step is to review and share the contents of your United States high school transcript with the Testing Office using either a transcript (unofficial or official) or the Multiple Measures Self Report Update form found under Admissions & Records Student Forms online. Based on how the cumulative, unweighted high school GPA and courses completed meet the multiple measure criteria, some students may be placed directly in transfer-level English and mathematics courses, and some students may also need to take the English and/or mathematics assessment tests.

What You Need to Know Before You Take the English or ESL and Mathematics Assessments

- ▶ You must have an Application for Admission on file before you complete the assessments, unless you are assessing for another college. Submit at miracosta.edu/apply.
- ▶ Review your overall high school GPA and the grades you earned in the high school English and math courses you have completed as represented by your high school transcripts. Prepare to share this information with Testing Services.
- ▶ Appropriate identification will be required to take the English, ESL, and/or mathematics assessment exams.
- ▶ Three words of advice before you take any assessment exam: **review, review, review!** How well you do on these tests determines what classes you will be able to take. Learn how to prepare at miracosta.edu/brushup, where you can also find information on the Bridge to Success in Math Program.
- ▶ Students taking the mathematics assessment exam can choose between Algebra Readiness, Elementary Algebra, Intermediate Algebra, or Pre-Calculus.
- ▶ You will receive an assessment score immediately after you complete your exam. Included with your score are recommendations for placement in mathematics, English, and ESL classes.
- ▶ MiraCosta students may take each level of the English, ESL, and mathematics assessment exams twice and must wait at least 24 hours before retesting.
- ▶ Contact the Testing Office at **760.795.6685** or testing@miracosta.edu if you have questions or need more information.

About the English/ESL and Mathematics Assessments Obtaining the Assessment Score Report

Students will receive an assessment score report immediately after they complete the assessment. Additional assessment score reports are released to the examinee only—photo identification is required. Included with the assessment score report is a placement recommendation for English, ESL, and/or math. The recommendation will be entered into SURF on

a nightly basis, allowing students to enroll in the appropriate class.

Students who have questions about their placement after advisement and/or retesting should see a counselor. Counseling offices are located in Bldg. 3700 on the Oceanside Campus, 760.795.6670 and in the Administration Building on the San Elijo Campus, 760.944.4449, x6670.

Retesting and Assessment Fee Policies

MiraCosta College students may take the English, ESL, or any of the four mathematics assessments only two times. Once this maximum is reached, students will not have the option of further retesting. (Tests given through MiraCosta's high school outreach testing program will not be counted toward the maximum.)

For English, ESL, and mathematics assessments, students must wait at least 24 hours before retesting. Students who do not intend to enroll at MiraCosta College but wish to take an English or ESL assessment or any of the four mathematics assessments will be charged \$30.

Alternatives to Taking MiraCosta College's Assessments

- ▶ To use high school transcripts, please visit miracosta.edu/testing to see the list of criteria that will exempt you from taking the English and/or math assessments.
- ▶ Provide transcripts from another regionally accredited college showing you've received a "C" or better in a prerequisite English or mathematics course.
- ▶ Bring your English or mathematics assessment results from another California community college to the Testing Office. Documents must state the courses in which you are eligible to enroll.
- ▶ If you have a bachelor's degree, bring your diploma or transcripts to the Admissions and Records Office.
- ▶ If you have achieved one of the following minimum English scores (bring documentation to the office indicated): **A** = Admissions & Records Office **T** = Testing Office

English

- ▶ Advanced Placement (AP) Program English (language or literature) test with a score of three or higher. (A)
- ▶ International Baccalaureate (IB) Higher Level English Examination with a score of five or higher. (A)
- ▶ California Assessment of Student Performance and Progress (CAASPP) result stating: "Standard Exceeded: Ready for English college-level coursework." (T)
- ▶ Passing score on the UC Analytical Writing Placement Examination. (T)

Math

- ▶ Advanced Placement Program calculus test (AB or BC) with a score of three or higher. (A)
- ▶ College Level Examination Program examination in mathematics with a score of 50 or higher. (A)
- ▶ California Assessment of Student Performance and Progress (CAASPP) result stating: "Standard Exceeded: Ready for mathematics college-level coursework." (T)

NOTE: Classes in other subject areas may also require English and math competencies.

For further information about testing, students may call 760.795.6685 or visit the department's website: www.miracosta.edu/student-services/testing.

Step 3: Orientation

Students who have a SURF ID and password complete an online orientation that introduces them to MiraCosta's academic programs and student services. It also provides an overview of how to enroll in classes and tips for a successful college experience.

At the end of the online orientation, students take a quiz to test their understanding of the material. When students pass the quiz, their records are automatically updated, usually within 24 hours, to show completion of the orientation component of matriculation.

Step 4: Advisement

Students who have a SURF ID and password complete online academic advisement, which has two presentation options: Transfer Advisement or Associate Degree & Career and Technical Education Advisement. Both presentations cover educational planning and class scheduling, and both provide suggestions for those who are undecided about their goals. (Students may complete both presentations, but only one is needed to satisfy the matriculation requirement.)

Students will use their English and math placement results as a reference when completing either presentation. At the end of the presentation, students take a quiz to test their understanding of the material covered. When students pass the quiz, their records are automatically updated, usually within 24 hours, to show completion of the advisement component of matriculation.

For further information about orientation, advisement, or follow-up opportunities with a counselor, students may call 760.795.6670 or visit the department's website: www.miracosta.edu/student-services/counseling.

Step 5: Education Plan

One of the best ways students can keep their education and career goals on track is to create an education plan with their 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 enrollment priority. Students will complete an abbreviated (one or two semester) education plan when they complete online advising.

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 to maintain their priority enrollment. New students who matriculate may be eligible to receive an early counseling

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appointment time to develop a comprehensive education plan.

Step 6: Enrollment

Upon completion of the above steps—application, English and mathematics assessment, orientation, advisement, and education plan—students receive a priority enrollment date and time. Concurrently enrolled high school students may enroll two weeks prior to the start of the fall or spring terms and one week prior to the primary summer term.

Exemption from the Matriculation Process

To be exempt from the matriculation process at MiraCosta, a student must meet **one** of the following conditions:

1. The student was exempt during a previous semester.
2. The student has earned an associate or higher degree from an accredited institution.
3. The student has previously attended another college and has indicated one of the following as an educational goal:
 - ▶ Discover or formulate career interest, plans, goals.
 - ▶ Prepare for a new career (acquire job skills).
 - ▶ Advance further in current job or career (update job skills).
 - ▶ Maintain a certification or license (e.g., nursing, real estate).
 - ▶ Personal interest; no intention to use credit for certificate, degree, or transfer.
 - ▶ Complete credits for high school diploma or GED.

Exemption from Assessment (Testing) Only

To be exempt from the assessment component of matriculation, a student must meet **one** of the following conditions:

1. The student has completed the prerequisite course with a grade of "C" or higher at another college for any math or English course(s) in which he or she wishes to enroll (transcript or grade report required).
2. The student has taken an approved assessment test at another California community college that can be used to meet the prerequisite for the math or English course(s) in which he or she wishes to enroll.

Exemption from assessment and/or matriculation does not automatically give students priority enrollment privileges. Exempted students who want priority enrollment are encouraged to participate in the matriculation and/or assessment process.

Student Rights & Responsibilities

Students have the right to challenge or appeal any step in the matriculation process by contacting the dean of Counseling and Student Development at 760.795.6892. To challenge a course prerequisite or corequisite, students must contact the Admissions and Records Office on either campus.

Students may refuse to participate in any matriculation service; however, refusal will not entitle students to early-enrollment privileges or to waive course prerequisites or corequisites.

Students are responsible for expressing broad educational intent upon admission and for declaring a specific educational

goal by the time they have completed their second semester. Students are also responsible for attending class, completing assignments, arranging counseling appointments, and maintaining progress toward their educational goal.

(Sources: Title 5 §55530; MCCD Board Policy/Administrative Procedure 5050. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Admissions Information

Admissions & Records Office

Oceanside, Building 3300: 760.795.6620

San Elijo, Administration Building: 760.634.7870

www.miracosta.edu/studentservices/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
- ▶ A sophomore, junior, or senior in high school with a Concurrent Enrollment Permit signed by the high school principal and parent. This form is available at high school counseling offices and Admissions and Records at both MiraCosta campuses. Students under 18 years of age who have not completed high school and are not pursuing the equivalent of a high school education should contact the Admissions and Records Office for more information.

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 MCCC 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. They should contact the Admissions and Records Office at either campus for specific details.

Biomanufacturing

MiraCosta College is now offering a bachelor's degree program in biomanufacturing. Information about the program's eligibility requirements, admissions process, and additional tuition for upper-division coursework is available under the Biotechnology area of study.

Information for Veterans

Oceanside, Building 3300: 760.757.2121, x6285

Students receiving GI Bill educational benefits are subject to the following general policies:

- ▶ 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 Education 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 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. 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.

Enrolling in Courses

Students may enroll online using the SURF online enrollment system with certain exceptions (e.g., challenging a prerequisite or time conflict).

The college provides early enrollment dates for matriculated students (see Matriculation (p. 18)), students participating in Extended Opportunity Programs and Services (EOPS) or Disabled Students Programs and Services (DSPS), 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, DSPS, EOPS, or the Veterans Education Office for more information.) Note: Priority enrollment may not apply to enrollment 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 enrollment 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, Extended Opportunity Programs and Services (EOPS), and Disabled Student Programs and Services (DSPS) 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.

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 (p. 368) 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 www.assist.org to determine if a course also meets a specific major-preparation requirement. Courses approved for the CSU (Plan B) and UC (Plan C) general education patterns are identified in the Transferring Course Work 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 www.assist.org to determine if a course also meets a specific major-preparation requirement. Courses approved for the CSU (Plan B) and UC (Plan C) general education patterns are identified in the Transferring Course Work section of the catalog.

Courses numbered from 900 to 999 do not fall in any of the above categories but are, for the most part, specialized or advanced. Credit from these courses cannot be applied toward an associate degree.

Course Identification Numbering System (C-ID)

The Course Identification Numbering System (C-ID) is a statewide numbering system independent from the course numbers assigned by local California community colleges. The purpose of a C-ID designation is to identify 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 (e.g., C-ID AJ120), students can be assured that it will be accepted in lieu of a course bearing the same C-ID designation at another community college.

However, many universities, including the University of California (UC), do not participate in the C-ID numbering system. Therefore, students should always go to <http://www.assist.org/> to confirm how each community college's course will be accepted at a specific four-year college or university for transfer credit.

Course Outlines

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.

Course Selection

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

Requisites & Other Enrollment Limitations

Prerequisites and corequisites are conditions of enrollment 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 enrollment to prevent students from duplicating course work. Others specify something the student must do prior to enrolling in a course, such as audition or obtain special approval. For example, some intercollegiate competition and public performance courses have auditions or try-outs that restrict enrollment to those students judged most qualified. 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.

Meeting & Clearing Prerequisites

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

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. 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 course work may not be used to clear prerequisites unless the prerequisite listed in the course description specifically allows for it.

Only grades of "C" or higher (2.0 grade points based on a 4.0 scale or the equivalent) may be used to clear a prerequisite

unless the course description states otherwise. A grade of "C-" is not sufficient to clear a prerequisite.

All prerequisites need to be cleared before students can enroll online. Students who are enrolled in a requisite course can enroll in a course that requires the prerequisite for the following semester pending proof of the requisite course's satisfactory completion. If a student does not pass the requisite course with a "C" or better, he or she will be involuntarily withdrawn from the course and refunded applicable fees.

Challenging Requisites & Other Enrollment Limitations

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

The department whose course requisite or enrollment 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.
- ▶ 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 his or her student educational plan because the prerequisite or corequisite course has not been made reasonably available.

The only grounds for challenging an enrollment 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 enroll in two or more sections of the same credit course during the same term unless the length of the courses allows enrollment without the student being enrolled in more than one section at any given time.

Enrollment 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 enroll in overlapping classes, then for attendance accounting purposes, he or she must satisfy **all** of the following requirements:

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- ▶ 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. If a student wishes to add a class that is closed (full), he or she may attend the first class meeting and request a permission number from the instructor if space becomes available.

A student has not successfully added a class until he or she has officially enrolled and paid the appropriate fees. The instructor will ask the student to verify enrollment with the receipt obtained from SURF or the Admissions and Records Office/Student Accounts.

A student 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 the student to a refund and no record on his or her 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 the student 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-enrolled 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-enrolled, wait list students (along with all enrolled students) are required to attend the first meeting of the class. If enrolled students are not present or other students decide to withdraw from the class, the instructor may allow students from the wait list to enroll. 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 enrollment and may not be used to fulfill enrollment requirements toward financial aid or verifications of enrollment.

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/student-services.

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 \$234 per credit unit for a total enrollment fee of **\$280 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. Course materials such as these can be purchased new or used from the college bookstore, and 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.

Books for classes taught at the Oceanside Campus and all online courses must be purchased or rented at the Oceanside Spartan Bookstore or the Oceanside website; books for classes taught at the San Elijo Campus must be purchased or rented at the San Elijo bookstore or the San Elijo website; books for classes taught at the Community Learning Center (CLC) must be purchased or rented at the CLC bookstore.

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.

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 Identification Card Fee (optional)

The student identification (ID) card supports a variety of college services, such as using computer and language labs and writing checks in the college bookstore. The student ID card also serves as the college library card, expediting access to the library circulating collection and academic reserve collections. Students without a valid MiraCosta student ID card must provide proof of current semester registration along with a government-issued photo ID and proof of current address to access these library services.

Another advantage of having a student ID card is the cardholder discount students receive at various North County businesses, such as at participating copy centers, theatres, restaurants, clubs, museums, and sports events. In addition, ID card fees help fund a number of student activities and campus events as well as the publication of the Chariot student newspaper.

To obtain a card, students need to pay the **\$6 fee** at enrollment and bring their receipt of purchase and a picture ID to the Student Activities Office at either campus.

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.

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- ▶ 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 Education 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

MiraCosta grants associate 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 will be evaluated for associate 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 will be applied to the MiraCosta College general education pattern (Plan A (p. 60)) 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.

Course placement on the transferable general education patterns—CSU-GE (Plan B (p. 80)) and IGETC (Plan C (p. 85))—will be according to the policies set by the California State University (CSU) and the University of California (UC).

Transfer credits from institutions using the quarter system will be evaluated as follows: each unit of work for a quarter is equivalent to two-thirds of a unit of work for a semester (e.g., 3 quarter units = 2 semester units).

Alternative Sources of Credit

Students may use nontraditional credit to satisfy general education, elective, or major course requirements, but credit cannot be granted for non-degree-applicable classes. MiraCosta College grants nontraditional vocational credit only for vocational subjects that MiraCosta offers.

International Course Work

International courses will be evaluated for 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 will be considered for the writing competency requirement.

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.

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. 29) 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 Counseling 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 most higher level exams passed with a minimum score of 5. However, individual departments may also determine course equivalency. Students intending to transfer to four-year institutions should consult with the individual university regarding its credit policy. The International Baccalaureate Guide (p. 32) 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. These examinations are especially valuable for people whose learning experiences have taken place primarily outside formal classrooms. The CLEP Guide (p. 33) identifies how specific exams can be used for these purposes.

Military Service Schools

MiraCosta College grants experience credit of 3 elective units for submission of any DD214, 295, or other military transcript. Additionally, active duty military personnel and U.S. military veterans may satisfy Area E2 Self-Development of MiraCosta College's general education pattern (Plan A (p. 60)) or Area E-Self-Development on the California State University general education pattern (CSU-GE, Plan B (p. 80)) 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.

CTE Transitions—College Credit for High School Classes

Oceanside, Building 3700: 760.757.2121, x6578

<http://www.miracosta.edu/instruction/ctetransitions/index.html>

The CTE Transitions program 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, business office technology, 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 CTE Transitions credit. To find out which high school courses offer articulated MiraCosta College credit, students should visit the CTE Transitions website.

Credit by Examination

Credit by institutional examination is available only under the following conditions:

- ▶ A departmental or program credit by institutional examination policy is on file with Student Services.
- ▶ 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. This instructor is also responsible for writing, selecting, and administering the exam.
- ▶ Units earned under credit by examination provisions do not count in the 12 units in residence required for graduation.
- ▶ To receive credit by institutional examination, a student must be in good standing and must complete (with a grade other than "W") at least 3 units of work at MiraCosta College during the semester, other than those units that are earned through institutional examination.
- ▶ Credit by institutional examination is limited to those courses in the MiraCosta College catalog current for the period of evaluation.
- ▶ 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).
- ▶ The deadline for returning the completed petition for credit by institutional examination to the Admissions and

Admissions & Enrollment

Records Office is Friday of the sixth week of classes during a regular semester or the third week of classes during summer intersession.

- ▶ All examinations will be given during the period reserved for "day class" final examinations each regular semester, unless special permission is secured from the examining instructor.
- ▶ All examinations will be graded using the full range of grades available for any class.
- ▶ Credit by institutional examination will generally not be offered for a course that is a prerequisite to a course for which the student has already received college credit in a previous semester.
- ▶ A maximum of 15 units will be granted as credit by institutional examination at MiraCosta College. Note: This number does not include Advanced Placement, CLEP, or other similar standardized tests.
- ▶ Credit by institutional examination in a course will be noted on the student's permanent record by a notation next to the course.
- ▶ Credit by institutional examination will be recorded on the student's permanent record only if department and institutional policy has been followed.
- ▶ Charges will be assessed for credit by institutional examination. Units earned through credit by institutional exam cannot be counted for federal financial aid payment purposes.
- ▶ Credits acquired by examination are not applicable to meeting of such unit-load requirements as Selective Service deferment, veteran's, or Social Security benefits.
- ▶ Credit by institutional exam is covered by the Board of Governors Fee Waiver Program, if eligible.

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***
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
Studio Art (any exam)	N/A 3 units	No GE	N/A	3 units per exam	N/A	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/ MATH 150H 3 units	Area A2 3 units	Area B4 3 units	3 units (only one Calculus AP exam applied to degree)	Area 2A 3 units	2.7 units (5.3 units max credit for Calculus AP exams)
Calculus BC	MATH 150/ MATH 150H and MATH 155 6 units	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 Subscore	N/A 3 units	Area A2 3 units	Area B4 3 units	3 units (only one Calculus AP exam applied to degree)	Area 2A 3 units	2.7 units (5.3 unit max credit for Calculus AP exams)
Chemistry	CHEM 110 (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 & 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	No GE	N/A	3 units (only one CS AP exam applied to degree)	N/A	1.3 units
Computer Science Principles	N/A 6 units	No GE	N/A	6 units	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	2.7 units
Economics: Microeconomics	ECON 102 3 units	Area D 3 units	Area D 3 units	3 units	Area 4 3 units	2.7 units
English: Language & 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 & 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	2.7 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

Admissions & Enrollment

French Literature	FREN 202 6 units	Area C 3 units	N/A	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	Area D 3 units	Area D 3 units	3 units	Area 4 3 units	2.7 units
Government & Politics: Comparative	PLSC 103 3 units	Area D 3 units	Area D 3 units	3 units	Area 4 3 units	2.7 units
Government & 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	2.7 units
History: European	HIST 104/ HIST 104H 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/ HIST 110H 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
History: World	HIST 100/ HIST 100H and HIST 101/ HIST 101H 6 units	Areas D, F Max 3 units	Area C2 or D 3 units	6 units	Area 3B or 4 3 units	5.3 units
Italian Language & Culture	ITAL 201 6 units	Area C 3 units	N/A	6 units	Areas 3B and 6 3 units	5.3 units
Japanese Language & 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 & Magnetism	PHYS 152 4 units	Area B 4 units	Areas B1 and B3 4 units	4 units	Area 5A/5C 3 units	2.7 units (5.3 units max credit for Physics AP exams)
Physics C: Mechanics	PHYS 151 4 units	Area B 4 units	Areas B1 and B3 4 units	4 units	Area 5A/5C 3 units	2.7 units (5.3 units max credit for Physics AP exams)
Physics 1	PHYS 111 4 units	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	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)	Areas 5A/5C 4 units	5.3 units (5.3 units max credit for Physics AP exams)
Psychology	PSYC 101/ PSYC 101H 3 units	Area D 3 units	Area D 3 units	3 units	Area 4 3 units	2.7 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	SPAN 202 6 units	Area C 3 units	Area C2 3 units	6 units	Areas 3B and 6 3 units	5.3 units

Statistics	MATH 103 3 units	Area A2 3 units	Area B4 3 units	3 units	Area 2A 3 units	2.7 units
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* **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.

*** **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.

+ 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 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*	Area C/3 units AA/AS 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. MiraCosta requires a score of 5 for all exams except Mathematics, which requires a minimum 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* (no longer offered)	Area A2/3 units	3 units	Area B4/3 units	3 units
College Mathematics	N/A	N/A	N/A	N/A
English Composition no essay (not offered after 7/1/10)	N/A	N/A	N/A	N/A
English Composition with essay (not offered after 7/1/10)	N/A	N/A	N/A	N/A
English Literature	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) +	Area C/3 units	12 units	Area C2/3 units	12 units
Freshman College Composition (not offered after 7/1/10)	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) +	Area C/3 units	12 units	Area C2/3 units	12 units
History, U.S. I ++	Area D and AI Requirement/ 3 units	3 units	Area D and US-1 AI Requirement/3 units	3 units
History, U.S. II ++	Area D and AI Requirement/ 3 units	3 units	Area D and US-1 AI Requirement/3 units	3 units
Human Growth and Development	N/A	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) +	Area C/3 units	12 units	Area C2/3 units	12 units
Trigonometry* (no longer offered)	Area A2/3 units	3 units	Area B4/3 units	3 units
Western Civilization I	Area 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: All CLEP exams may be applied for unit credit toward the satisfaction of a GE category or as elective units toward the MiraCosta College associate degree.

* 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 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. 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 page is a solid light blue color. Overlaid on this are several abstract, wavy lines in various shades of blue, ranging from a very light, almost white blue to a vibrant, saturated blue. These lines flow from the top left towards the bottom right, creating a sense of movement and depth. The overall aesthetic is clean, modern, and professional.

Academic Services & Tutoring



Tutoring & Academic Support Center (TASC)

Oceanside, Building 1200: 760.795.6682
San Elijo, Room 105: 760.757.2121 x7748
Community Learning Center, Academic Support Center:
760.795.8724

www.miracosta.edu/student-services/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.

TASC assists students by providing individual and group tutoring, supplemental learning assistance, self-help materials, and student success workshops on a variety of subjects. Services are available during day and evening hours at the Community Learning Center and the San Elijo and Oceanside campuses.

Math Learning Center (MLC)

Oceanside, Building 1200: 760.757.2121, x6381
San Elijo, Room 103: 760.944.4449, x7781
CLC, Room 136: 760.757.2121, x8843

www.miracosta.edu/instruction/mathematics/mlc

The Math Learning Center (MLC) provides assistance to MiraCosta math students through a variety of services. Services are free of charge and include drop-in tutoring; help with homework for individuals or groups; self-help materials, such as video lectures; computers to allow students to work with online homework systems; textbook and calculator checkout (for use only in the MLC at OC/SAN); and make-up test or quiz services (at OC/SAN). MLC services are available during day and evening hours at both the Oceanside and San Elijo

campus libraries and morning to early afternoon at the CLC branch. Free math help—what could be better!



Writing Center

Oceanside, Building 1200 (first floor)
San Elijo, Room 112 (first floor)
760.795.6861

www.miracosta.edu/student-services/writingcenter/

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 or have trouble with assigned reading. Whatever your writing and reading goals, the Writing Center is the place for you! At San Elijo, we can also help you prepare for speeches and presentations.

We offer 30-minute, same-day appointments, or appointments up to two weeks in advance. We help with writing, reading, transfer and scholarship essays, and parts of speech. Even better, our services are free of charge! Stop by today and get to know us.

Admissions & Records Office

Oceanside, Building 3300: 760.795.6620
San Elijo, Administration Building: 760.634.7870

Community Learning Center, Building A: 760.795.8710

www.miracosta.edu/student-services/admissions

The Admissions and Records Office is responsible for processing applications, enrolling 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—MiraCosta College Spartans



The MiraCosta College Intercollegiate Athletic Department takes equal pride in academic and athletic achievements; GPA and transfer rates matter just as much as wins and losses. 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 includes the eight community colleges in San Diego County, San Bernardino Valley College, College of the Desert (Palm Desert, California), and Mt. San Jacinto College (Hemet, California). MiraCosta also has a surf team that competes in the collegiate division of the National Scholastic Surfing Association.

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.

Athletic Director: Patrick Conahan, 760.757.2121, x6242

Intramural Sports



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 soccer, beach soccer, basketball, dodgeball, flag football, volleyball, sand volleyball, ultimate frisbee, kayaking, hiking, and ping pong. Tournaments are for both men and women, and all skill-levels are welcome to participate.

Intramural Director: Patrick Conahan, 760.757.2121, x6242

Bookstores

Oceanside, Building 3400: 760.795.6630

San Elijo, Room 307: 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,

Student Support Programs & Services

batteries, backpacks, clothing, snacks, greeting cards, gifts, and various other items.



College Police & Lost and Found

College Police

Oceanside, Building 1100: 760.795.6640
San Elijo, Parking/Police Kiosk: 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 1A, 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 1C, 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: MCCD 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 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 Disabled Students Programs and Services 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.

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 information about how to leverage your networks to discover potential opportunities through our online job search boot camp. At our campus location, students may access computers in our lab and the resources in our library. The lab 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/childdev



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 5-1/2 years.

Located on the Oceanside Campus, the Child Development Center is open weekdays from 7:30 a.m.–4:45 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 early May, and registration for the spring semester begins early November. 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.

Counseling Services

Oceanside, Building 3700: 760.795.6670

San Elijo, Administration Building: 760.944.4449, x6670

Student Support Programs & Services

Hours: Monday–Thursday, 8 a.m.–7 p.m.; Friday, 8 a.m.–4:30 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.

Disabled Students Programs & Services (DSPS)

Oceanside, Building 3000: 760.795.6658

www.miracosta.edu/studentsservices/dsps

MiraCosta 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 Disabled Students Programs and Services (DSPS). The student must present verifying documentation of his or her disability from a qualified professional as determined by DSPS.



DSPS will assess and document the extent of the student's educational functional limitations. Depending on the educational functional limitations and severity of the disability, DSPS will recommend appropriate accommodations while maintaining academic integrity.

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 an Assistive Computer Lab, learning strategies classes designed for students with learning disabilities, and special noncredit classes for students with intellectual disabilities. All services are designed to help students participate fully in the regular college program.

Extended Opportunity Programs & Services (EOPS)

Oceanside, Building 3000: 760.795.6680

www.miracosta.edu/studentsservices/eops

The Extended Opportunity Programs and Services (EOPS) is a state funded program designed to recruit and retain students who are economically, socially, and educationally disadvantaged. EOPS assists students in the development of their potential ability through academic support and financial assistance. EOPS services are designed to give students individualized attention and support to improve their chances for success. For former and current foster youth, EOPS has a new component of specialized services. Resources and Assistance for Former Foster Youth (RAFFY) is designed to help emancipated minors and former foster youth with the transition to college and independent living.

To qualify, students must:

1. Be enrolled in 12 units at the time of acceptance to the program (some exceptions are available for DSPS or special vocational programs);
2. Be eligible for Board of Governors Fee Waiver method "A" or "B";
3. Be a California resident or meet AB540/California Dream Act requirements;
4. Be educationally disadvantaged as determined by regulations; **and**
5. Not have completed 70 degree-applicable units.

To apply, visit EOPS at www.miracosta.edu/studentsservices/eops or Building OC3000 to request an application.

EOPS works to foster pride and dignity in low-income students, thereby increasing self-esteem and motivation to make education accessible.

Financial Aid Office

Oceanside, Building 3000: 760.795.6711



www.miracosta.edu/financialaid

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 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 Board of Governors (BOG) Fee Waiver that covers enrollment fees, Cal Grants, Full Time Student Success Grant, and the Chafee Grant, which is designed specifically for foster youth.

Students should file the Free Application for Federal Student Aid (FAFSA) electronically at www.fafsa.gov for all programs listed above. The FAFSA priority filing date is March 2 of each year preceding the school year for which the student plans to attend and receive financial aid. The March 2 date is a deadline for applying to the Cal Grant program, but is only a priority date for all other programs. Because March 2 is not a strict deadline, students should apply even if this date has passed.

Students who wish to borrow a loan under the Direct Loan program must complete their file, including all necessary documentation, in time for the FAO to complete a loan origination prior to the end of the term of enrollment.

The FAFSA also serves as the application for the BOG Fee Waiver. In the rare case that an applicant may not be completing a FAFSA, a separate BOG Fee Waiver application may be available from the FAO.

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 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.

Starting with the 2016/17 school year, students with two terms on academic (less than 2.0 GPA) or progress (less than 50 percent completion rate) probation are subject to losing their BOG Fee Waiver and Enrollment Priority. Additional details can be found on the FAO website.

The complete Financial Aid Satisfactory Academic Progress policy is available on the Financial Aid Office website.

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.

Ineligible Programs/Courses for Federal Financial Aid

Financial aid payment is based on enrollment status as of the published census date. Waitlisted classes do not count.

Student Support Programs & Services

Eligible programs must be a minimum of 15 weeks in length and require at least 16 semester units. A program that is not eligible as a certificate program may be eligible as a degree program. (Certificate programs are described under Areas of Study & Courses.)

Any pre-collegiate courses taken to meet high school requirements 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 course work.

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

Food Pantry

The Food Pantry provides emergency food assistance to students in need; any student who is currently enrolled at MiraCosta qualifies for the support. The support consists of either a snack, sack lunch or a gift card if they are available. Typical food pantry items consist of canned goods (pasta, vegetables, beans, tuna, soups, and fruit), granola bars, crackers, and snack-like items. The program provides short-term relief and offers referrals for additional community resources for ongoing assistance with food insecurity. More detailed information about the Food Pantry is available on the website: www.miracosta.edu/StudentServices/servicelearning/foodpantry.

The MiraCosta Food Pantry is sustained 100 percent through donations and financial support of faculty, staff, community and students. Financial contributions can be coordinated through the MiraCosta Foundation Office: 760.795.6645.

All services are confidential. Food distribution is handled by the following Student Services offices:

Service Learning & Volunteer Center

Oceanside Campus, Building 3300, 760.795.6616

Health Services

Oceanside Campus, Building 3300, 760.795.6675

Student Activities

San Elijo Campus Student Center, 760.944.4449, x7782

Community Learning Center, 760.795.8710



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 open for breakfast, morning breaks, lunch, and dinner during the school year and for morning breaks and lunch during the summer. Daily lunch specials, homemade soups, sandwiches, hamburgers, fries, salads, fruits, vegetarian foods, desserts, and hot and cold drinks are available Monday through Thursday, 7 a.m.–8 p.m., and Friday, 7 a.m.–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 has daily lunch specials, soups, pizzas, wraps, sandwiches, fruit, pastries, and many more daily menu items. The café is open for the fall and spring semesters Monday through Thursday. Breakfast is served 7–10:30 a.m., lunch is served 10:30 a.m.–2 p.m., and the Grab & Go Café is open 2–7 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, Student Center, Room 922: 760.944.4449, x7747

www.miracosta.edu/student-services/health-services

Email: mccshs@miracosta.edu

Facebook: [Link from our website or search MiraCosta College Student Health Services />](#)

Student Health Services Program helps students achieve their desired educational objectives through the maintenance of optimal physical, mental, and emotional health. The health services fee all students pay when they enroll covers the cost of secondary student accident insurance and helps fund the operational expense of Health Services.

Most health and medical services are provided without additional charges to students.

The Student Health Services centers are staffed by registered nurses who are trained to assist students who have medical and health problems. Health Services focuses its services and programs in the following areas:

- ▶ Nursing services provided by registered nurses
- ▶ Health education and promotional events
- ▶ Health assessment, intervention, and referrals as needed
- ▶ Sexually transmitted disease testing information and referral
- ▶ Medical services by physician and nurse practitioner
- ▶ Personal counseling through the marriage and family therapy intern program
- ▶ Community resources listing and referral
- ▶ Communicable disease control
- ▶ Service learning opportunities.

Scholarships

Oceanside, Building 3000: 760.795.6751

www.miracosta.edu/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/ Outreach

Oceanside, Building 3400: 760.795.6894

www.miracosta.edu/student-services/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 matriculation and admissions-related services.
- ▶ Establish partnerships and maintain positive relations with the administration, faculty, and staff of district 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/student-services/ambassadors/studentambassadors.html

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, provide on-campus tours, and perform a variety of other important duties for the college. Ambassadors must be enrolled in at least 12 units, maintain a 2.5 grade point average, and be available to work between 5 and 15 hours per week. Applications are available at <http://www.miracosta.edu/student-services/ambassadors/onlineapp.html>.



Student Accounts Office/Cashier

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

The Student Accounts Office processes all student payments, tuition assistance forms, deferment forms, and refunds. It is where eligible students may pick up their emergency loan and scholarship checks. The office accepts cash, checks, money orders, and Visa, Mastercard, and Discover credit cards for payments; however, office staff cannot cash personal or payroll checks.

Students may also pay enrollment and related fees online at surf.miracosta.edu.

Student Activities Office

Oceanside, Building 3400, Room 3435: 760.795.6890
San Elijo, Student Center: 760.634.7806

The Student Activities Office is rich with activities, events, information, and resources, and it acts as a focal point for service and leadership-development programs, such as the following:

- ▶ Support for the Associated Students of MiraCosta College
- ▶ Support for campus clubs
- ▶ Support for *The Chariot* student newspaper
- ▶ Campus Information Center, including posting approval and literature distribution
- ▶ Campus social, recreational, cultural, and educational programming
- ▶ Community service and volunteer activities
- ▶ Emerging Leaders Institute
- ▶ Housing referrals

- ▶ On-campus events.

These services enhance the student's educational experience and foster his or her social and intellectual development. The staff is firmly committed to actively promoting student involvement and development.

Oceanside Campus office hours:

Monday–Thursday, 7 a.m.–9 p.m.
Friday, 7 a.m.–3 p.m.

San Elijo Campus office hours:

Monday–Thursday, 9 a.m.–4:30 p.m.
Friday, 9 a.m.–3 p.m.

Associated Students of MiraCosta College



Oceanside, Building 3400: 760.795.6891
San Elijo, Student Center: 760.944.4449, x7782

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. ASG's major responsibilities include appointing students to campuswide committees, sharing governance in the development of college policies and annual budget, adopting and overseeing use of an annual ASG budget, allocating funds for new programs/projects, granting club charters, and providing and administering a program of activities and services for students.

Any 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. The weekly meetings of ASG are called the Student Senate and are open to all MiraCostans. Meeting times are available online through the Student Activities Office.

Student Senate Positions

Students who manage the business of the Student Senate represent a variety of ages, interests, and academic majors. Some have prior experience in student government, but others are simply interested in discovering their leadership potential through participation. 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 the San Elijo Campus, and vice president of the Community Learning Center. Appointed positions are vice presidents of programming for Oceanside, San Elijo, and the Community Learning Center; vice president of the Community Learning Center; vice president of public relations; vice president of finance; vice president of legislative affairs; chair of the Inter-Organizations Council; and 22 senators.

Campus Clubs & Organizations



Joining a campus club is a great way for students to enrich their academic experience at MiraCosta. The college is home to a wide variety of clubs that reflect the interests of the student body.

All clubs have a voice through the Inter-Club Council (ICC), to which each club sends a representative. ICC develops effective, organized, and fair policies so all clubs will thrive. The fall and spring semester ICC-sponsored "Club Recruitment Day" gives interested students an opportunity to learn about the various clubs on campus and allows clubs to increase their membership.

Students who wish to start a club begin by filing a petition for a charter that includes a list of 10 credit students and a staff/faculty adviser. They attach a proposed constitution and submit the petition to the Student Activities Office. For more information, students should contact either the ICC chair in the Associated Student Office, 760.795.6891, or the Student Activities Office, 760.795.6890.

Chartered clubs at MiraCosta are listed below, but not all are currently active. Interested students should check with the Student Activities Office for more information.

Honors Organizations

- ▶ Phi Theta Kappa

Student Clubs/Organizations



- ▶ Accounting and Business Club
- ▶ Advocates for Change: Beyond Cell Walls
- ▶ Allied Health Occupations Club
- ▶ Art Club
- ▶ Artistry Crew
- ▶ Auto Club
- ▶ Backstage Players Club
- ▶ Black Student Union
- ▶ Chemistry Club
- ▶ Chess Club
- ▶ Chinese Club
- ▶ Club IT
- ▶ CodeTech Computer Club
- ▶ Dance Club
- ▶ Democrats of MiraCosta College
- ▶ Design Club
- ▶ Encuentros Club
- ▶ Film Club
- ▶ French Club
- ▶ Gender Sexuality Alliance
- ▶ Gender Equality Movement
- ▶ Horticulture Club
- ▶ International Club
- ▶ Intramural Sports Club
- ▶ Italian Club
- ▶ Japanese Club
- ▶ Latina Leadership Network
- ▶ Leaders Under Civil Injustice Defending Dreams
- ▶ League of Legends Club
- ▶ Martial Arts Club
- ▶ Math Club
- ▶ MEChA
- ▶ Medical Administrative Professionals
- ▶ Movie Club
- ▶ Music & Media Club
- ▶ NAMI on Campus
- ▶ Natural Science Club
- ▶ Nursing Student Association
- ▶ Pacific Islander Student Union
- ▶ Performance Writers Club
- ▶ Photo Club
- ▶ Progressive Policy Club
- ▶ Puente Diversity Network
- ▶ Rugby Club
- ▶ Saraghae Kpop
- ▶ Soccer Club

Student Support Programs & Services

- ▶ Social Justice & Equity
- ▶ Spanish Club
- ▶ STEM Research
- ▶ Tennis Club - Oceanside
- ▶ Tennis Club - San Elijo
- ▶ The Jordan
- ▶ Umoja Community
- ▶ Veterans Club
- ▶ Zion Bible Study Club

The Chariot—Student Newspaper

Oceanside, Building 3400: 760.757.2121, x6254

The Chariot, MiraCosta's official student newspaper, serves the college by covering campus news and features as well as by offering opinion pieces, community information, and student activity announcements. In the process, *Chariot* staffers have the opportunity to gain practical experience in all aspects of newspaper production. *The Chariot* is periodically published in hardcopy and on a continual basis online at www.chariotnews.com.

College Hour

College Hour is a program of student events and activities between 12:00-1:00 p.m. on given Thursdays during fall and spring semesters. Since some classes are scheduled during this time, students who wish to be involved should arrange their schedules to keep the time slot free.

College Hour events include concerts, meetings, performances, games, interactive workshops, club activities, cultural activities, and lectures.

Housing Referral

Oceanside, Building 3400: 760.795.6890

San Elijo, Student Center: 760.944.4449, x7782

www.miracosta.edu/student-services/housing

The Student Activities Office maintains a webpage for students who need housing or a roommate. Arrangements may include rooms, apartments, houses to rent/share, or room and board in exchange for work. Transactions are between the two parties and not with the college.

ID Cards

Oceanside, Building 3400: 760.795.6890

San Elijo, Student Center: 760.944.4449, x7782

The MiraCosta student ID card is helpful when checking out library materials (including reserved materials), using the computer labs, writing checks in the college bookstores, providing identification for test-taking, and using certain college facilities. Additionally, the card may be used for off-campus discounts at participating copy centers, theatres, restaurants, clubs, museums, and sports events, just to name a few. With the discount on just two movie tickets, a cardholder will save more than the cost of the ID card.

Student ID card fees help support MiraCosta's student government, including Associated Student elections; campus clubs; community events; cultural celebrations, such as African-

American History Month, Asian Pacific events, and Cinco de Mayo; and The Chariot student newspaper.

To get an ID card, students need to do the following:

- ▶ Pay their fees at enrollment
- ▶ Bring their receipt to the Student Activities Office (payment can also be looked up online), located in the Student Center of the Oceanside and San Elijo Campuses, along with one of the following valid forms of identification:
 - ▶ Driver's license containing a photograph
 - ▶ Temporary California driver's license containing a photograph
 - ▶ State-issued identification card containing a photograph
 - ▶ U.S. military ID card (active duty, reserve, or dependent)
 - ▶ Driver's license issued by a Canadian government authority
 - ▶ Driver's license issued by the District of Columbia, American Samoa, Guam, Puerto Rico, or Virgin Islands
 - ▶ U.S. passport
 - ▶ Foreign passport
 - ▶ Alien Registration Card ("Green Card")
 - ▶ California Department of Corrections Privilege card [CDC 130-A(7-88)]
 - ▶ Matrícula Consular card.
- ▶ Have their picture taken and the card made while they wait
- ▶ Make sure they have a current sticker on the card.

Posting/Publicity Regulations

All items posted on campus must be approved by the Student Activities Office. The posting of all approved flyers, posters, and banners is allowed only on designated bulletin boards. Because items can be posted for no more than two weeks, the office date-stamps each one. More specific information on posting regulations is available at the Student Activities Office in the Student Center.



Testing Services

Oceanside, Building 3300: 760.795.6685

San Elijo, Building 100: 760.944.4449, x7752

Community Learning Center, Room 137: 760.757.2121, x8841

Testing Services administers tests for course placement and serves as a test center for the American College Testing Program (ACT). MiraCosta's course placement tests (English Assessment, ESL Assessment, and Math Competency Exam) are offered free of charge to MiraCosta students. All other tests require payment of fees at the time of assessment. Fees vary, and in most cases they are nonrefundable.

Computerized English and math placement testing is done at the Oceanside Campus Testing Services office, the San Elijo Campus's Testing Center, and the Community Learning Center in the Testing Center. Students are allowed to take the English or ESL Assessment, or any of the four mathematics tests twice. Tests given through MiraCosta's high school outreach testing program will not be counted toward this maximum. Students must wait at least 24 hours after their initial test before retesting.

The course placement tests are open to students who have submitted an application for admission or who are currently enrolled. Acceptable photo identification is required. Individuals who do not intend to enroll at MiraCosta but wish to take the English or ESL Assessment or any of the four mathematics tests are charged a fee.

Adaptive testing is available to students referred by Disabled Students Programs and Services (DSPS), and extended time on the math test is offered to students who are non-native speakers of English. Scores may be used to meet various academic requirements. Questions concerning the accuracy of scores must be addressed to Testing Services within six weeks of test completion.

Academic Proctoring Center

The Academic Proctoring Center (APC) provides a proctored test site for students enrolled in online courses at MiraCosta that have an on-campus testing requirement. In addition, the center proctors instructor-authorized makeup exams for special student circumstances. Students referred by DSPS for testing with extended time 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. 79) in the Transferring Course Work section of the catalog.)

Transfer Center staff coordinate all University of California transfer admission guarantee programs, which are described in the Transferring Course Work (p. 76) 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 advising for special programs, such as UniversityLink and the Honors Scholar Program.

Veterans Education Office

Oceanside, Building 3300: 760.795-6750



www.miracosta.edu/vets

The Veterans Education Office provides assistance to veterans and their dependents who may be eligible for various educational benefits. For GI Bill® recipients, the following applies:

- ▶ Online remedial courses (MATH 20, MATH 30, and ENGL 49) are not certifiable/payable by the Department of Veterans Affairs.
- ▶ Courses listed as 292 or 299 are not certifiable/payable by the Department of Veterans Affairs.
- ▶ Most hybrid courses (courses taught partially on campus and partially online) are considered "Distance Learning" (online) according to Department of Veterans Affairs guidelines.

Program approval changes are based on the academic year. Please check with a counselor in the Veterans Information Center for currently approved programs.

Veterans Information Center

Oceanside, Building T100: 760.795.6750

www.miracosta.edu/vets

The Veterans Information Center is located on the Oceanside campus. The center provides information about campus and community resources as well as a place to study, use the computer lab, do homework, or just relax. The center has counselors trained to assist the military-affiliated population reach their educational goals as well as a Vet Success on Campus representative, who as a Veterans Administration employee is equipped to assist students with questions regarding their Department of Veterans Affairs benefits.

The center is staffed by peer advisers who are veterans themselves and understand the challenges other veteran students face. They can provide students with information related to enrollment, academic success, financial aid, health services, counseling, and more.

Academic Programs

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.

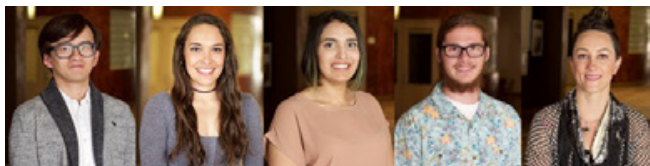
President's Permanent Honor Roll

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.

Medal of Honor

The Medal of Honor for Academic Excellence 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 Office of the Vice President of Student Services at 760.795.6895.



2017 Medal of Honor Recipients: Junjie Fang, Ayli Tulberg, Tina Taleb, Logan Heath, and Vanessa Reynolds.

Cooperative Work Experience Education (Co-op)

Oceanside, Building 4700: 760.795.6772



www.miracosta.edu/careers

Co-ops are 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 attitudes they need for career success.

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

- ▶ Meet with the instructor and worksite supervisor at least twice at the worksite 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.

Directed Study

Admissions & Records Office

Oceanside: 760.795.6620 • San Elijo: 760.634.7870

Directed Study courses provide an opportunity for students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses offered at MiraCosta College. Directed Study courses are available in many disciplines and are identified with 298 as their course number.

Students enrolled in a Directed Study course work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement, which is a learning contract developed collaboratively with the instructor, approved by the department chair, instructional dean and instructor, and submitted to the Admissions and Records Office by the add deadline for semester-long length courses. Three units is the maximum Directed Study credit that may be applied toward a degree.

To enroll in a Directed Study course, students must have successfully completed 12 units of college work with at least a 3.0 grade-point average. Directed Study Agreement forms are available from Admissions and Records.

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% online* have no face-to-face requirements.
- ▶ *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 text 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% online and hybrid course sections being taught at MiraCosta, at miracosta.edu/online.

Honors Scholar Program

Oceanside, Student Center: 760.795.6878

Program Completion Requirements



<http://www.miracosta.edu/student-services/honorsscholar/index.html>

The Honors Scholar Program (HSP) provides highly motivated students enriched academic experiences as well as opportunities for civic engagement. Successful completion of the program may give honors students 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 Scholar Program while making continuous 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 goals.

Additionally, the Honors Scholar Program cultivates a heightened sense of community for its members by actively supporting social activities, themed learning groups, and cultural outings that build camaraderie and public service. Honors Lounges located at both the Oceanside and San Elijo campuses provide communal space for honors students to study, socialize, and collaborate.

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

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

The Honors Scholar Program at MiraCosta College is a certified member of the UCLA Transfer Alliance Program (TAP), closely coordinating its program outcomes with admission requirements for UCLA's College of Letters and Science. The Honors Scholar Program is also a certified member of the UC Irvine "Transfer Honors" and "Honors to Honors" programs. Students who participate in the Honors Scholar Program are eligible for the UC Irvine "Transfer Honors" program. Students who complete the Honors Scholar Program requirements with a 3.7 average are eligible to join the UCI Honors to Honors program immediately upon transfer and enjoy benefits such as priority registration, mentorship, special Honors library study room, and unique research opportunities. The program is an active participating member of the Honors Transfer Council of California, the Western Regional Honors

Academic Programs & Services

Conference, and the National Honors Collegiate Council. The Honors Scholar Program enjoys other transfer partnerships through its association with the Honors Transfer Council of California.

Honors students interested in leadership development may also 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 Scholar Program.

Current Honors Curriculum

While HSP students in good standing have first access to honors courses, any student may enroll in an honors course; acceptance to the Honors Scholar Program is not required for enrollment.

Complete five from the following:

ADM 100H	Introduction to the Administration of Justice (Honors)
ANTH 101H	Biological Anthropology (Honors)
ANTH 102H	Cultural Anthropology (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)
BUS 140H	Legal Environment of Business (Honors)
BUS 290H	Business Communication (Honors)
CHEM 100H	Introductory Chemistry (Honors)
CHEM 110H	General Chemistry (Honors)
CHEM 111H	General Chemistry (Honors)
CHEM 210H	Organic Chemistry I (Honors)
CHEM 211H	Organic Chemistry II (Honors)
DNCE 100H	Dance Appreciation (Honors)
ENGL 201H	Critical Thinking, Composition, and Literature (Honors)
FILM 101H	Introduction to Film (Honors)
GEOL 101H	Physical Geology (Honors)
GEOL 101LH	Physical Geology Laboratory (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	Origins of Western Culture (Honors)
HIST 104H	Modern Western 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)
HUMN 101H	Introduction to the Arts (Honors)
LIBR 201H	Research in the Digital Age (Honors)
LIT 260H	English Literature Through the 18th Century (Honors)
LIT 261H	English Literature: Romantic to Contemporary (Honors)
LIT 265H	Shakespeare Studies (Honors)
MATH 150H	Calculus and Analytic Geometry (Honors)
MATH 260H	Calculus and Analytic Geometry III (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)
PHSN 108H	Introduction to Climate Change (Honors)
PHYS 151H	Principles of Physics I (Honors)
PHYS 152H	Principles of Physics II (Honors)
PHYS 253H	Principles of Physics III (Honors)
PSYC 101H	General Psychology (Honors)
PSYC 104H	Statistics for Behavioral Science (Honors)
SOC 101H	Introduction to Sociology (Honors)
SOC 104H	Statistics for Behavioral Science (Honors)

Program Admission Requirements

- ▶ Have a weighted cumulative GPA of 3.50 in high school or 3.25 in 12 units of college-degree applicable course work.
- ▶ Be eligible for ENGL 100, as established by an assessment test or equivalent.
- ▶ Complete the honors application, including application form, unofficial transcripts, and signed Statement of Academic Integrity.

Students who do not meet admission requirements directly may submit an Appeal for Admission, which is reviewed on a case-by-case basis by an ad hoc committee organized by the honors coordinator.

Application instructions and forms are available online at <http://www.miracosta.edu/student-services/honorsscholar/index.html>.

Program Completion Requirements



For MiraCosta College Certified Honors Scholars

- ▶ Minimum degree applicable GPA of 3.25 in college course work.
- ▶ Completion of five honors courses representing at least 15 units of honors course work.
 - ▶ Some honors courses from other colleges may be counted upon request and verification.
 - ▶ Up to two honors courses may be taken as "pass/no pass" option.
 - ▶ Up to three honors courses may be completed as Honors Contracts.
- ▶ Participation in 20 verified hours of honors activities.
- ▶ Active involvement in HSP at MiraCosta College for a minimum of two semesters.
- ▶ Education Plan established with the MiraCosta College Transfer Center.
- ▶ Responsible and ethical behavior upheld, as outlined in the Statement of Academic Integrity and MiraCosta College Standards of Student Conduct.

For UCLA TAP (College of Letters and Science) Certification

- ▶ Minimum degree applicable cumulative GPA of 3.50 in college course work.
- ▶ Completion of five honors courses representing at least 15 units of honors course work.
 - ▶ Some honors courses from other colleges may be counted upon request and verification.

- ▶ Up to two honors courses may be taken as "pass/no pass" option.
- ▶ Up to three honors courses may be completed as Honors Contracts.
- ▶ Enrollment in honors courses for two semesters at MiraCosta College.
- ▶ Education Plan established with the MiraCosta College Transfer Center.
- ▶ Responsible and ethical behavior upheld, as outlined in the Statement of Academic Integrity and MiraCosta College Standards of Student Conduct.

For UCI "Transfer Honors" Eligibility

- ▶ Completion of at least three units of honors course work through the MiraCosta Honors Scholar Program.
- ▶ Participation in verified honors activities.
- ▶ Education Plan established with the MiraCosta College Transfer Center.
- ▶ Responsible and ethical behavior upheld, as outlined in the Statement of Academic Integrity and MiraCosta College Standards of Student Conduct.

For UCI "Honors to Honors" Certification

- ▶ Minimum degree applicable cumulative GPA of 3.50 in college course work.
- ▶ Completion of five honors courses representing at least 15 units of honors course work.
 - ▶ Some honors courses from other colleges may be counted upon request and verification.
 - ▶ Up to two honors courses may be taken as "pass/no pass" option.
 - ▶ Up to three honors courses may be completed as Honors Contracts.
- ▶ Participation in 20 verified hours of honors activities.
- ▶ Enrollment in honors courses for two semesters at MiraCosta College.
- ▶ Education Plan established with the MiraCosta College Transfer Center.
- ▶ Responsible and ethical behavior upheld, as outlined in the Statement of Academic Integrity and MiraCosta College Standards of Student Conduct.

For a complete description of requirements for program admission, good standing, and program completion, contact the MiraCosta College 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

Academic Programs & Services

programs and the full-time intensive English Language Institute (ELI) program offered through Community Services. 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.

The IIP also offers international study programs. Current study abroad programs are semester-long requiring full-time enrollment. Study abroad programs offer only courses approved in accordance with Title 5 of the California Code of Regulations and taught by 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 new 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, they are required to do the following:

- ▶ Meet with the instructor and worksite supervisor at least twice at the worksite 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 many disciplines and are identified with 292 as their course number.

Learning Communities

Oceanside: 760.757.2121 x6521

www.miracosta.edu/learningcommunities

learningcommunities@miracosta.edu

Learning Communities form when a group of students takes two courses together, and the courses are linked to enhance the

students' experiences. Learning Communities are meaningful because they help students make connections between courses, instructors, and classmates. Advantages of learning communities include the following:

- ▶ Students get to know each other well; they work together and with their instructors over the entire semester.
- ▶ Instructors overlap their lessons to promote students' learning and skills across both courses.
- ▶ Many learning communities explore shared themes, readings, and/or projects that encourage students to extend their knowledge to their college, communities, and world.
- ▶ Support from Student Services is part of the learning community to help students with personal and academic success.

Students must enroll in both classes and attend both; however, each instructor teaches his or her own course and has his or her own student learning outcomes and grading policies.

Current Learning Communities:

ACE 150 + COUN 100

"H.E.A.R.T"

ENGL 100 + SOC 101

"Deconstructing the American Dream"

MATH 64 + COUN 100

"Exit in Math"

ENGL 100 + COMM 101

"Power Moves: Speaking and Writing for the Real World"

ENGL 100/ENGL 52 + COUN 100

"Mana I: Empowering Pacific Islander Communities (EPIC)"

ENGL 201 + SOC 101

"Mana II: Crossing Cultural Oceans"

Library & Information Hub

Oceanside, Building 1200: 760.795.6715

San Elijo, Building 100: 760.634.7850

Community Learning Center, Academic Support Center,
Building A: 760.795.8733

library.miracosta.edu

MiraCosta's libraries provide extensive resources and services for students, faculty, and staff. Information resources include the following:

- ▶ More than 53,000 books, 215,000 e-books, 5,500 DVDs/ videos, 49,000 online videos, and 1,200 CDs.
- ▶ Over 90 online reference databases covering a variety of disciplines, such as science, literature, health, social sciences, and the humanities.
- ▶ Access to more than 34,000 periodical titles through full-text online databases, such as EBSCOhost and JSTOR.
- ▶ Remote access for students, staff, and faculty to all library databases (requires SURF ID and password).
- ▶ CD, DVD, video, and cassette players as well as adaptive technology devices.
- ▶ Hundreds of computers featuring a range of software applications that support college courses.
- ▶ Printing, photocopying, and scanning equipment.

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.
- ▶ Intralibrary loans between the three MiraCosta College campuses.
- ▶ Interlibrary loan for books and periodical articles.
- ▶ Library resources access via mobile devices.

Library and Information Hubs at both Oceanside and San Elijo campuses are open the following days and times:

Monday–Thursday, 8 a.m.–9:30 p.m.
 Friday, 8 a.m.–3 p.m.
 Saturday, 10 a.m.–5 p.m.

Library hours at the Community Learning Center vary according to student demand.

On legal or administrative holidays and 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.

Phi Theta Kappa Honor Society

Oceanside: 760.757.2121, x6895 or x6558

The Phi Theta Kappa Honor Society was established in 1929 to acknowledge and promote the academic achievements of two-year college students. Membership in Phi Theta Kappa 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 1,100 worldwide chapters, Phi Theta Kappa is the largest honor society in American higher education.

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 Phi Theta Kappa diploma seal, the privilege of wearing the honors stole and tassel at graduation, a myriad of scholarships (more than \$87 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 Phi Theta Kappa.

To qualify for membership, students must have the following:

- ▶ Current enrollment at MiraCosta at the time they apply
- ▶ Successful completion of 12 or more units at MiraCosta
- ▶ A GPA at MiraCosta of at least 3.5.

Puente Project

Oceanside, Building 3700: 760.757.2121, x6293

www.miracosta.edu/puente

The Puente Program was originally created to increase the number of Mexican-American/Latino 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 50 and COUN 100 in the fall and ENGL 100 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.

Service Learning Program

Oceanside, Building 3300: 760.795.6616

www.miracosta.edu/student-services/servicelearning

The Service Learning Program partners academic instruction with community service. Each semester approximately 60 courses at MiraCosta offer a service component. Students work with their instructors and the Service Learning and Volunteer Center to find meaningful service opportunities in the community that relate to what they are learning in the classroom. MiraCosta's community service placements include youth programs, conservation efforts, homeless and hunger programs, senior services, and literacy programs as well as opportunities within public schools.

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 choices while earning documented work experience. In addition, students who participate in service learning discover the value of contributing to their community. For more information about the program, including its courses and community partners, students should visit the program's website.

Umoja Community

<http://www.miracosta.edu/student-services/eops/umoja.html>

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.

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

Degrees & Certificates

The background of the page is a solid light blue color. Overlaid on this are several large, flowing, wavy bands of a darker blue shade. These bands originate from the top left and curve downwards and to the right, creating a sense of movement and depth. The overall aesthetic is clean, modern, and academic.

Instructional Services

Oceanside, Building 1000: 760.795.6812

www.miracosta.edu/instruction

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 technical education areas, and diplomas and certificates in the noncredit program for adults seeking to finish basic or high school education.

Degrees

MiraCosta College offers the following degrees: Associate in Arts (A.A.), Associate in Science (A.S.), Associate in Arts for Transfer (A.A.-T), Associate in Science for Transfer (A.S.-T), and one Bachelor of Science (B.S.). 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. The academic disciplines as well as the career and technical disciplines for which MiraCosta offers an associate degree are identified on the Degrees & Certificate Programs table (p. 68). Although the associate degree recognizes the completion of lower-division course requirements, it does not guarantee admission to a four-year college or university.

Associate in Arts (A.A.) and Associate in Science (A.S.) Requirements

Students who wish to earn an associate degree from MiraCosta must meet the following requirements (per MCCC 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). 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:** Completion of MiraCosta College General Education Requirements (Plan A (p. 60)).*
- ▶ **Plan B:** Completion of the certified California State University General Education (CSU GE) Breadth (Plan B (p. 80)).
- ▶ **Plan C:** Completion of the certified University of California/California State University Intersegmental General Education Transfer Curriculum (IGETC; Plan C (p. 85)).

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 course work.

*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 grade point average 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.

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 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 course-work requirements for the associate degree.

Note: These competencies are met when students complete either the CSU GE-Breadth (Plan B (p. 80)) or IGETC (Plan C (p. 85)) general education pattern or submit an official transcript verifying completion of a bachelor's degree from a United States regionally accredited college or university.

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

- ▶ Achieve a qualifying score on the reading component of the MiraCosta College English Assessment that gives a recommendation for READ 100.
- ▶ Present proof of achieving one of the following minimum test scores:
 - ▶ A passing score on the CSU English Placement Exam.
 - ▶ 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.
- ▶ Complete one of the following with a minimum grade of "C" or "P": READ 100; ENGL 100, ENGL 201, ENGL 201H, ENGL 202; or equivalent.

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

- ▶ Present proof of achieving one of the following minimum test scores:
 - ▶ A passing score on the CSU English Placement Exam.
 - ▶ 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 201, ENGL 201H, ENGL 202.

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 the MiraCosta College Mathematics Competency Examination that gives clear placement into a math course numbered 103 through 150.
- ▶ Achieve a passing score on the CSU Elementary Level Mathematics (ELM) placement exam.
- ▶ Achieve a Standard Exceeded score on the CSU Early Assessment Program (EAP) in math.
- ▶ 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.
- ▶ 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.

Associate in Arts for Transfer (A.A.-T), Associate in Science for Transfer (A.S.-T) Requirements

MiraCosta College offers associate degrees for transfer to the California State University (CSU). These degrees have been developed as a result of the Student Transfer Achievement Reform (STAR) Act and are designed to provide a clear pathway to a CSU major and baccalaureate degree.

A.A.-T and A.S.-T degree requirements are as follows:

- ▶ Complete 60 semester (90 quarter) CSU transferable units.
- ▶ Complete a minimum of 18 units in an approved associate degree for transfer major.
- ▶ Complete all courses required in the major with a "C" or "P" or better.
- ▶ Complete the certified CSU-GE or CSU-IGETC* general education pattern.
- ▶ Achieve a minimum CSU transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

*The associate degree for transfer can be awarded to students completing the UC-IGETC general education pattern, but completion of this pattern will not satisfy CSU admission requirements.

California Community College students who are awarded an A.A.-T or A.S.-T degree are guaranteed priority admission with junior status to a participating CSU campus and given priority admission to their local CSU campus.

This priority 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, the student will be required to complete only 60 additional prescribed units to qualify for the similar baccalaureate degree. MiraCosta students earning an A.A.-T or A.S.-T degree or completing traditional admission requirements have local priority admission to California State University San Marcos.

Courses from other U.S. regionally accredited colleges will be reviewed for placement on the associate degrees for transfer 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.

MiraCosta currently offers an A.A.-T in communication studies, history, psychology, sociology, studio arts, and theater arts and an A.S.-T in administration of justice, business administration, and early childhood education. To view which CSU campuses accept these degrees, please visit www.sb1440.org.

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.

An Associate in Arts or Associate in Science for Transfer degree may not be the best option for students intending to

Degrees & Certificates

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.

Bachelor of Science 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. 129).

Applying for a Degree

Students who expect to receive a degree must file a petition by the 30 percent deadline of the final semester leading to their graduation. (Students intending to graduate during the summer intersession may petition during the spring semester.) Final dates to file a petition are as follows:

- ▶ **Fall 2017: September 22, 2017**
- ▶ **Spring 2018: February 23, 2018**

Official transcripts from all colleges attended (or concurrently attending), approved substitutions and waivers, educational plans, and any other necessary documents must be on file in the Admissions and Records Office before a student submits a petition to graduate. Petitions submitted after the deadline are automatically processed in the subsequent semester.

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.
- ▶ 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.*)

Commencement



The MiraCosta College commencement ceremony is held once a year in May at the end of the spring semester. Students who submit a petition for an associate degree or certificate of achievement are eligible to attend the commencement ceremony provided they meet the requirements for the degree or certificate. Students who are eligible to attend the ceremony will receive information about participating in the ceremony from the Student Activities Office prior to the ceremony.

Plan A

MiraCosta College General Education Requirements 2017–2018

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
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A2. Communication & Analytical Thinking

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

Required courses:

BIO 180	Biostatistics	4
BTEC 180	Biostatistics	4
BUS 204	Business Statistics	3
COMM 101	Public Speaking	3
COMM 106	Group Communication	3
COMM 207	Interpersonal Communication	3
COMM 212	Argumentation	3
CSIT 123	Introduction to Applied 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
MATH 64	Intermediate Algebra *	4
MATH 95	Math Fundamentals for Statistics II *	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 *	4
MATH 126	Pre-Calculus I: College Algebra *	4
MATH 131	Pre-Calculus II: Trigonometry and Analytic Geometry *	4
MATH 150	Calculus and Analytic Geometry I *	5
MATH 150H	Calculus and Analytic Geometry (Honors) *	5
MATH 155	Calculus and Analytic Geometry II *	4
MATH 260	Calculus and Analytic Geometry III *	4
MATH 260H	Calculus and Analytic Geometry III (Honors) *	4
PHIL 100	Informal Logic and Critical Thinking	3
PSYC 104	Statistics for Behavioral Science	4
PSYC 104H	Statistics for Behavioral Science (Honors)	4
READ 100	Critical Reading and Thinking *	3
SOC 104	Statistics for Behavioral Science	4
SOC 104H	Statistics for Behavioral Science (Honors)	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 4 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 105	Evolution of Human Behavior	3
ANTH 190	Primate Behavior and Ecology	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 107	Introductory Biology: Marine Biology #	4
BIO 108	Introductory Biology: Ecology of the Oceans	3
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
CHEM 100	Introductory Chemistry #	4
CHEM 100H	Introductory Chemistry (Honors) #	4
CHEM 102	Introduction to Organic and Biological Chemistry #	4
CHEM 104	Chemistry of Living Things (Introduction to General, Organic, and Biochemistry) #	5

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CHEM 108	Preparatory Chemistry #	4
CHEM 110	General Chemistry #	5
CHEM 110H	General Chemistry (Honors) #	5
CHEM 111	General Chemistry #	5
CHEM 111H	General Chemistry (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
GEOL 101LH	Physical Geology Laboratory (Honors) #	1
HORT 115	Soil Science	3
HORT 116	Plant Science #	4
OCEA 101	Introduction to Oceanography	3
OCEA 101H	Introduction to Oceanography (Honors)	3
OCEA 101L	Introductory Oceanography Laboratory #	1
PHSN 101	Fundamentals of Physical Science	3
PHSN 106	Energy, Motion, and Matter: An Introduction to 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
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 177	Art in the Elementary Schools	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
CHNS 101	Elementary Chinese (First Semester)	4
CHNS 102	Elementary Chinese (Second Semester)	4
CHNS 121	Introduction to Chinese Culture	3
CHNS 201	Intermediate Chinese (Third Semester)	4
COMM 111	Oral Interpretation of Literature	3
COMM 215	Intercultural Communication	3
DESN 107	History of Western Architecture -A Sustainable Perspective	3
DNCE 100	Dance Appreciation	3
DNCE 100H	Dance Appreciation (Honors)	3
DNCE 101	Dance History	3
DNCE 104	Dance on Film	3
DNCE 105	Dance Cultures of the World	3
DRAM 105	Introduction to Theatre	3
DRAM 120	Dramatic Literature (Ancient Greeks to Shakespeare)	3
DRAM 121	Dramatic Literature (Restoration to Present)	3
DRAM 130	Acting I	3
DRAM 134	Introduction to Performance	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 112	Film History II: 1945-Present	3
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3
FILM 212	Women and Film: Representation and Impact	3
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
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 103	Origins of Western Culture	3
HIST 103H	Origins of Western Culture (Honors)	3
HIST 104	Modern Western Culture	3
HIST 104H	Modern Western Culture (Honors)	3
HUMN 101	Introduction to the Arts	3
HUMN 101H	Introduction to the Arts (Honors)	3
HUMN 250	American Studies: First Contact Through the Civil War	3
HUMN 251	American Studies: 1870s to the Present	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 104	Elementary Italian for Spanish speakers (Second Semester)	4
ITAL 121	Introduction to Italian Culture	3
ITAL 201	Intermediate Italian (Third Semester)	4
ITAL 202	Intermediate Italian (Fourth Semester)	4
ITAL 210	Intermediate Italian Conversation and Reading	3
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
LIT 120	Introduction to Literature	3
LIT 250	American Literature: First Contact Through the Civil War	3
LIT 251	American Literature: Mid-1800s to the Present	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 271	World Literature Since 1600	3
MAT 105	History of Graphic Design	3
MUS 100	Introduction to Music Theory	3

MUS 113	The Music of Multicultural America	3
MUS 114	History of Rock and Roll	3
MUS 115	Introduction to Western Music	3
MUS 116	A Survey of World Music	3
MUS 119	Jazz History	3
MUS 119H	Jazz History (Honors)	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 105	Eastern Religions	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 203	Spanish for Native Speakers	4
SPAN 205	Hispanic Film, Literature, and Composition	3

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 190	Primate Behavior and Ecology	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 142	Mexican American History Since 1877	3
HIST 145	African American History to 1877	3
HIST 146	African American History Since 1877	3
HIST 165	California History	3
PLSC 101	Introduction to Political Science	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 121	Human Development	3
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 110	Comparative Cultures	3
SOC 120	Introduction to Women's Studies	3
SOC 130	Introduction to Gender Studies	3
SOC 140	Introduction to LGBT 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 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	College Research Skills	1
LIBR 201	Research in the Digital Age	3
LIBR 201H	Research in the Digital Age (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***

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 165	Living in an Online World	3
GERO 101	Introduction to Aging	3

GERO 250	Intergenerational Issues	3
HEAL 101	Principles of Health	3
INTR 100	Foundation Skills for the College Experience	4
NURS 283	Medical Surgical Nursing IV	6
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 121	Human Development	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
BUS 136	Human Relations in Business	3
BUS 160	International Business	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 169	Introduction to World Dance Forms	1
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3
FILM 212	Women and Film: Representation and Impact	3
GEOG 102	Cultural Geography	3
GEOG 104	World Geography	3
GERO 101	Introduction to Aging	3
GERO 130	Caregiving: Techniques for Working with the Frail Elderly	3
GRMN 121	Introduction to German Culture	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 103	Origins of Western Culture	3

HIST 103H	Origins of Western Culture (Honors)	3
HIST 104	Modern Western Culture	3
HIST 104H	Modern Western Culture (Honors)	3
HIST 105	History of England	3
HIST 105H	History of England (Honors)	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 142	Mexican American History Since 1877	3
HIST 145	African American History to 1877	3
HIST 146	African American History Since 1877	3
JAPN 121	Introduction to Japanese Culture	3
LIT 270	World Literature to 1600	3
LIT 271	World Literature Since 1600	3
MUS 116	A Survey of World Music	3
MUS 119	Jazz History	3
MUS 119H	Jazz History (Honors)	3
NUTR 108	Cultural Aspects of Foods and Nutrition	3
PLSC 102	American Institutions and History	4
PSYC 121	Human Development	3
RELG 101	World Religions	3
RELG 105	Eastern Religions	3
SOC 110	Comparative Cultures	3
SOC 120	Introduction to Women's Studies	3
SOC 207	Race and Ethnic Relations	3
SOC 230	Introduction to Chicana/o Studies	3
SOC 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 203	Spanish for Native Speakers	4
SPAN 205	Hispanic Film, Literature, and Composition	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 142	Mexican American History Since 1877	3
HIST 145	African American History to 1877	3
HIST 146	African American History Since 1877	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 2017 and are valid through summer 2018.

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.

Certificates

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.

MiraCosta's certificates of achievement are identified on the Degree & Certificate Programs (p. 68) 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.

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.

Many certificates of achievement can be used to satisfy associate degree major requirements. Interested students should 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). Students are eligible to receive certificates of achievement with honors if they earn a grade point average of 3.00-3.45. Certificates of achievement with highest honors are awarded to students with grade point averages of 3.50-4.00.

Applying for a Certificate of Achievement

Students who expect to receive a certificate of achievement must file a petition by the 30 percent deadline of the final semester leading to their graduation. (Students intending to graduate during the summer intersession may petition during the spring semester.) Final dates to file a petition are as follows:

- ▶ **Fall 2017: September 22, 2017**
- ▶ **Spring 2018: February 23, 2018**

Official transcripts from all colleges attended (or concurrently attending), approved substitutions and waivers, educational plans, and any other necessary documents must be on file in the Admissions and Records Office before a student submits a petition to graduate. Petitions submitted after the deadline are automatically processed in the subsequent semester.

Certificates of Proficiency

Certificates of proficiency are short-term certificates, typically requiring fewer than 18 units of course work, 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.

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 certificates of proficiency are identified on the Degree & Certificate Programs (p. 68) table. Course requirements for specific certificates are listed alphabetically by subject under Areas of Study & Courses.

Eligibility for certificates of proficiency includes earning a minimum grade of "C" or "P" in every course. Additionally, at least 6 units or the maximum number of units required for the certificate, whichever is less, must be completed in residence at MiraCosta College.

Applying for a Certificate of Proficiency

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.

Commencement



The MiraCosta College commencement ceremony is held once a year in May at the end of the spring semester. Students who submit a petition for an associate degree or certificate of achievement are eligible to attend the commencement ceremony provided they meet the requirements for the degree or certificate. Students who are eligible to attend the ceremony will receive a packet of information about participating in the ceremony from the Student Activities Office prior to the ceremony.

Degree & Certificate Programs

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Accounting (ACCT) (p. 92)		☼	🎓	
Accounting Assistant	★			
Bookkeeping		☼	🎓	
Income Tax Professional	★			
Administration of Justice (ADM) (p. 96)				
Administration of Justice for Transfer			🎓	
Law Enforcement		☼	🎓	
Art (ART) (p. 104)				
Digital Photography		☼	🎓	
Museum Studies		☼		
Studio Art for Transfer			🎓	
Automotive Technology (AUTO) (p. 118)		☼	🎓	
Automotive Alignment, Brakes, and Suspension	★			
Automotive Electronics	★			
Automotive Electronics, Computers, and Emissions and/or HVAC		☼		
Automotive Quick Service Assistant	★			
Automotive Repair: Drive- Train Specialist	★			
Basic Engine Performance	★			
California Smog Check Technician		☼		
Master Technician		☼		
Biotechnology (BTEC) (p. 129)				
Biomanufacturing		☼	🎓	🏛️
Bioprocess Technology		☼		
Laboratory Skills	★			
Research and Development		☼	🎓	
Business Administration (BUS) (p. 137)				
Business Administration for Transfer			🎓	
Business Fundamentals	★			
Entrepreneurship		☼	🎓	
Entrepreneurship Fundamentals	★			
Management		☼	🎓	
Marketing		☼	🎓	
Project Management	★			
Retail Assistant	★			
Retail Management		☼	🎓	
Social Media for Business		☼		
Business Office Technology (BOT) (p. 144)				

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Administrative Professional		☼	🎓	
Office Assistant	★			
Office Manager		☼	🎓	
California State University General Education (CSU GE)		☼		
Child Development (CHLD) (p. 151)				
Assistant Teacher	★			
Associate Teacher		☼	🎓	
Early Childhood Education for Transfer			🎓	
Early Intervention and Inclusion		☼		
Master Teacher		☼	🎓	
Site Supervisor		☼	🎓	
Teacher		☼	🎓	
Communication (COMM) (p. 160)				
Communication Studies for Transfer			🎓	
Computer Science (CS) (p. 163)				
Computer Programming Fundamentals		☼	🎓	
Computer Studies & Information Technology (CSIT) (p. 166)				
Certified Computer Desktop Support Specialist		☼		
Computer Applications Professional for Business		☼	🎓	
Computer Applications User	★			
Computer Competencies for the Workplace	★			
Computer Studies		☼	🎓	
E-Commerce		☼		
Emerging Technologies in Computer Studies	★			
Microsoft Certified Application Specialist for Business		☼		
Network and Desktop Systems Administration		☼	🎓	
Dance (DNCE) (p. 176)			🎓	
Dance Instructor		☼		
Design (DESN) (p. 186)				
3D Modeling and Prototyping	★			
Applied Design	★			
Architectural Design		☼	🎓	
Computer-Aided Drafting		☼	🎓	
Computer-Aided Drafting and Design		☼	🎓	
Construction Management	★			
Drafting Fundamentals	★			
Engineering Design Graphics	★			
Mechanical Design		☼	🎓	

Degrees & Certificates

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Dramatic Arts (DRAM) (p. 193)			🎓	
Design and Technology		✳️	🎓	
Theatre Arts for Transfer			🎓	
Gerontology (GERO) (p. 213)			🎓	
Optimal Aging and Older Adulthood	★			
History (HIST) (p. 216)				
History for Transfer			🎓	
Horticulture (HORT) (p. 224)				
Irrigation Technology	★			
Landscape Architecture		✳️	🎓	
Nursery/Horticulture Crop Production		✳️	🎓	
Pest Control Advisor		✳️	🎓	
Sustainable Agriculture		✳️	🎓	
Sustainable Landscape and Turf Management		✳️	🎓	
Viticulture and Enology		✳️	🎓	
Hospitality (HOSP) (p. 231)				
Catering Operations	★			
Dining Room Operations	★			
Food Service Operations	★			
Front Office Operations	★			
Hospitality Management		✳️	🎓	
Meeting and Event Management	★			
Restaurant Management		✳️	🎓	
Rooms Division Management	★			
Intersegmental General Education Transfer Curriculum (IGETC)		✳️		
Italian (ITAL) (p. 238)			🎓	
Kinesiology (KINE) (p. 242)				
Personal Fitness Trainer		✳️		
Yoga Instructor (200 Hours)	★			
Yoga Instructor (300 Hours)		✳️		
Liberal Arts (p. 249)				
Applied Health, Nutrition and Kinesiology			🎓	
Arts and Humanities			🎓	
Business and Technology			🎓	
Creative and Applied Arts			🎓	
Mathematics and Sciences			🎓	
Multicultural Studies			🎓	
Social and Behavioral Sciences			🎓	
Massage (MASG) (p. 264)				
Holistic Health Practitioner (1,000 Hours)		✳️		
Massage Therapist (500 Hours)		✳️		
Media Arts & Technologies (MAT) (p. 270)				

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Digital and Print Publishing	★			
Graphic Communication	★			
Graphic Design		✿	🎓	
Video and Animation	★			
Video and Media Design		✿		
Web Design	★			
Web Development and Design		✿	🎓	
Medical Administrative Professional (MAP) (p. 278)				
Medical Insurance and Coding Specialist	★			
Medical Office Professional		✿	🎓	
Medical Office Specialist	★			
Music (MUS) (p. 281)				
Music Performance			🎓	
Music Technology (MTEC) (p. 290)	★	✿	🎓	
Business of Music		✿		
Nursing (NURS) (p. 295)				
Certified Nursing Assistant	★			
Home Health Aide	★			
Licensed Vocational Nursing		✿	🎓	
Registered Nursing (ADN)			🎓	
Registered Nursing (LVN-to-RN)			🎓	
Nutrition (NUTR) (p. 303)				
Fitness Nutrition Specialist	★			
Psychology (PSYC) (p. 313)			🎓	
Human Development			🎓	
Psychology for Transfer			🎓	
Research Fundamentals	★			
Volunteer Services	★			
Real Estate (REAL) (p. 320)		✿	🎓	
Assistant	★			
Entrepreneurship		✿	🎓	
Finance	★			
Property Management	★			
Sales	★			
Sociology (SOC) (p. 325)				
Research Fundamentals	★			
Sociology for Transfer			🎓	
Volunteer Services	★			
Spanish (SPAN) (p. 330)				
Career Spanish for Medical Personnel	★			
Surgical Technology (SURG) (p. 333)		✿	🎓	

Transferring Course Work

Transfer Options



MiraCosta College students have the opportunity to transfer to a variety of public and private/independent colleges and universities. In California, students may transfer to a college or university in the University of California (UC) system, California State University (CSU) system, or various private/independent universities and colleges. Transfer students should be aware of both the entrance and graduation requirements of the university or college they wish to attend. MiraCosta's curriculum is designed to prepare students to transfer to four-year colleges or universities by providing instruction in general education course work and preparatory courses for specific majors.

Students can work closely with a counselor to develop an educational plan that is based on completing articulated courses, which are courses that can be used to satisfy general education and major-preparation requirements at specific transfer universities. MiraCosta's articulation agreements with the public universities in California can be found online at www.assist.org.

As soon as possible after enrolling at MiraCosta, students should choose the specific major area they wish to pursue and the four-year college or university they wish to attend. The counseling staff is available to assist students in making these important decisions.

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.

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. Information about which courses transfer to the CSU is included in the catalog course descriptions (see How to Read Course Descriptions (p. 92)). This information can also be found at <http://www.assist.org/>.

Minimum Transfer Requirements

The CSU will consider a student a transfer applicant if he or she enrolled in a regular session at a college or university (excluding summer session or intersession) immediately following high school. The vast 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

Transfer students are eligible for admission with junior status with 60 or more transferable semester units or 90 quarter units if they satisfy the following requirements:

- ▶ Maintain a minimum college GPA of 2.00 or better in all transferable college units attempted
- ▶ Complete the four basic subjects in written communication, oral communication, critical thinking, and mathematics/quantitative reasoning, which are part of the overall general education requirements
- ▶ Complete additional general education units that comprise the total CSU general education pattern
- ▶ Are in good standing at the last college or university attended (i.e., are eligible to re-enroll).

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 satisfy the following requirements:

- ▶ Have a college grade point average of 2.00 or better in all transferable college units attempted
- ▶ Are in good standing at the last college or university attended (i.e., are eligible to re-enroll)
- ▶ Meet the eligibility index required of a first-time freshman
- ▶ Meet the college-preparatory course requirements for a first-time freshman or have successfully completed necessary courses to make up any deficiencies in their high school records.

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

Associate in Arts for Transfer (A.A.-T) or Associate in Science for Transfer (A.S.-T) to the California State University

A California community college student who has earned the Associate in Arts for Transfer (A.A.-T) degree or the Associate in Science for Transfer (A.S.-T) degree will be 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 at <http://www.calstate.edu/transfer/ad-search/search.shtml>. Once admitted, the student will be required to complete no more than 60 additional prescribed units to qualify for the similar baccalaureate degree.

An A.A.-T or A.S.-T degree does not guarantee a student admission to any CSU campus, but it does give a student priority-admission consideration to the local CSU campus offering a similar degree. The local CSU campus for MiraCosta students is California State University San Marcos (CSUSM). Students considering transfer to CSUSM or to other CSU campuses are strongly encouraged to consult with a MiraCosta counselor to determine the most appropriate and efficient pathway to transfer.

Associate degrees for transfer offered by MiraCosta are listed both in this catalog under the discipline offering the degree and on the MiraCosta College articulation website at www.miracosta.edu/student-services/articulation. At the time of this publication, MiraCosta offers an A.A.-T in communication studies, history, psychology, sociology, studio arts, and theater arts and an A.S.-T in administration of justice and business administration. A list of Associate in Arts and Associate in Science for Transfer degrees offered at all community colleges can be found at www.sb1440.org.

Courses from other U.S. regionally accredited colleges will be reviewed for placement on the associate degrees for transfer 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.

Advanced Placement, International Baccalaureate, & 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. 29), International Baccalaureate Guide (p. 32), and College Level Examination Program Guide (p. 33) 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
- ▶ Accumulating a specific number of college units
- ▶ 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

Students are strongly encouraged to meet with a MiraCosta College counselor to develop an appropriate transfer plan. A transfer plan consists of **general education courses, major preparation courses**, and, if additional units are required, **transferable elective courses**. The counselors ensure students are aware of CSU application deadlines and all necessary transfer requirements.

General Education Requirements: CSU-GE (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 is required for GE-Breadth: 39 units of lower-division and 9 units of upper-division courses. All of the lower-division courses for GE-Breadth may be completed at MiraCosta before students transfer to a CSU campus. To satisfy the GE-Breadth 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.

This pattern of courses, called CSU-GE-Breadth, is illustrated on Plan B (p. 80). Students may also choose to complete the CSU-UC IGETC pattern, illustrated on Plan C (p. 85), to complete the 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.

At some CSU campuses, the required GPA in these major preparation courses may be higher than the admission criteria

Transferring Course Work

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 course work 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. 80).

CSU-GE-Breadth Certification

MiraCosta is authorized to certify a minimum of 39 lower-division GE-Breadth units. Certification means that the CSU will accept the courses approved to meet the CSU-GE-Breadth areas on Plan B (p. 80). Students should request certification of course work that meets CSU-GE-Breadth requirements because certification ensures students will not be asked to complete additional lower-division general education courses after they transfer.

MiraCosta can certify each subject area (Area A, B, C, D, or E) 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 general education units that are taught at the upper-division level.

Certificate of Achievement in CSU General Education

Students who complete the entire CSU General Education Breadth certification pattern of courses are eligible to receive a Certificate of Achievement in CSU General Education. These courses, which satisfy lower-division general education requirements to any CSU campus, are listed on Plan B (p. 80). (*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.

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 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 the catalog course descriptions.

Priority Eligibility for Transfer Students

The UC will consider a student a transfer applicant if he or she 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 a student's admission to the major and UC campus of his or her 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 online at www.universityofcalifornia.edu/admissions.

Lower-Division Transfer Admission

Students may be eligible for lower-division transfer if they were eligible for UC admission as freshmen upon high school graduation and had a 2.0 GPA in their transferable college course work.

Students who met the Scholarship Requirement in high school but did not satisfy the a-g Subject Requirement may become eligible to transfer by taking transferable college courses in the subjects they are missing, earning a minimum grade of "C" in each of these required courses, and earning an overall "C" (2.0) average in all transferable college course work. Students can find more information about the Subject, Scholarship, and Examination requirements on the UC Admissions website: www.universityofcalifornia.edu/admissions.

Note: Most UC campuses will not admit transfer students who have fewer than 60 transferable units completed even if they were eligible out of high school.

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. 29) and the International Baccalaureate Guide (p. 32) identify which exams can be used for general education credit and UC admission units.

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 www.assist.org, a MiraCosta counselor, or a representative at their intended transfer campus to obtain updated information about impacted majors.

Transfer Planning

Students are strongly encouraged to meet with a MiraCosta College counselor to develop an appropriate transfer plan. A transfer plan consists of **general education courses**, **major preparation courses**, and, if additional units are required, **transferable elective courses**. MiraCosta's counselors ensure students are aware of UC application deadlines and all necessary transfer requirements.

General Education Requirements: IGETC (Plan C)

To earn a bachelor's degree from a 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. 85)) 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 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

Transferring Course Work

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 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:

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 at <http://admission.universityofcalifornia.edu/transfer/preparation-paths/>

- ▶ UC campuses admit transfer students to specific majors.
- ▶ Admission to most majors and campuses is competitive, and being fully prepared for a major improves the student's chance of admission.
- ▶ Choosing a major early allows the student to stay focused on completing requirements before he or she transfers.
- ▶ Changing majors is difficult after the student is admitted and usually delays graduation.

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)

Some 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 course work. For complete information about TAGs offered at participating UC campuses, students should see a MiraCosta College counselor, visit the Transfer Center, or locate information at the following website: www.universityofcalifornia.edu/admissions/transfer/guarantee/index.html

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 MiraCosta's Honors Scholar Program (p. 51)
- ▶ Complete a minimum of 60 transferable units, including five honors classes, with a competitive GPA.

Students who complete MiraCosta's Honors Scholar Program (p. 51) receive priority consideration for admission to many majors within UCLA's College of Letters and Sciences. Admitted TAP students are also eligible to apply for TAP scholarships.

UC Irvine (UCI) Campuswide Honors Program

The UCI Campuswide Honors Program offers transfer students priority consideration for admission to UCI and provides them with library privileges and opportunities to participate in cultural activities on the UCI campus. Furthermore, students who complete the Honors Scholar Program requirements with a 3.7 average are eligible to join the UCI Honors to Honors Program immediately upon transfer and enjoy benefits such as priority registration, mentorship, special Honors library study room, and unique research opportunities.

UC San Diego (UCSD) University Link Program

This program 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 his or her first two years of college course work 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.

UCSD recommends that students in the program complete a college success course at MiraCosta. These courses include COUN 100, COUN 105, and INTR 100.

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 at: <https://admissions.ucsd.edu/transfers/prep-programs/university-link.html>.

IGETC Certification

Prior to transfer from MiraCosta, students can request certification of the IGETC pattern (Plan C (p. 85)). 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 United States regionally accredited private institution will be placed in the subject area for which MiraCosta College or another community college has an equivalent course.
- ▶ 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 course work 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 will

accept all courses designated as UC transferable, and many will accept completion of CSU GE-Breadth (Plan B (p. 80)) or IGETC (Plan C (p. 85)) in lieu of their own general education requirements. However, graduation requirements and course work used to complete a major may vary significantly with requirements at the California State University (CSU) or the University of California (UC) systems.

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: www.miracosta.edu/student-services/articulation/index.html.

Transfer Center Services

Oceanside, Building 3700: 760.795.6880

www.miracosta.edu/transfer

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 he or she decides 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.

Transferring Course Work

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. 58)).

2017 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)
Nov. 1-30	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 2017.

Plan B

CSU General Education-Breadth Courses 2017-2018

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

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
PHIL 100	Informal Logic and Critical Thinking	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 100	Introductory Chemistry #	4
CHEM 100H	Introductory Chemistry (Honors) #	4
CHEM 102	Introduction to Organic and Biological Chemistry #	4
CHEM 104	Chemistry of Living Things (Introduction to General, Organic, and Biochemistry) #	5
CHEM 108	Preparatory Chemistry #	4
CHEM 110	General Chemistry #	5
CHEM 110H	General Chemistry (Honors) #	5
CHEM 111	General Chemistry #	5
CHEM 111H	General Chemistry (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
GEOL 101LH	Physical Geology Laboratory (Honors) #	1
OCEA 101	Introduction to Oceanography	3
OCEA 101H	Introduction to Oceanography (Honors)	3
OCEA 101L	Introductory Oceanography Laboratory #	1

PHSN 101	Fundamentals of Physical Science	3
PHSN 106	Energy, Motion, and Matter: An Introduction to 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

B2. Life Science

Required courses:

ANTH 101	Biological Anthropology	3
ANTH 101H	Biological Anthropology (Honors)	3
ANTH 101L	Biological Anthropology Laboratory #	1
ANTH 105	Evolution of Human Behavior	3
ANTH 190	Primate Behavior and Ecology	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 107	Introductory Biology: Marine Biology #	4
BIO 108	Introductory Biology: Ecology of the Oceans	3
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'14)	5
HORT 115	Soil Science (F'16) #	3
HORT 116	Plant Science #	4
NUTR 100	Nutrition Today (F'16)	3

NUTR 100H	Nutrition Today (Honors)	3
PSYC 260	Physiological Psychology	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:

BIO 180	Biostatistics	4
BTEC 180	Biostatistics	4
BUS 204	Business Statistics	3
CSIT 123	Introduction to Applied Data Analytics	3
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	4
MATH 126	Pre-Calculus I: College Algebra	4
MATH 131	Pre-Calculus II: Trigonometry and Analytic Geometry	4
MATH 150	Calculus and Analytic Geometry I	5
MATH 150H	Calculus and Analytic Geometry (Honors)	5
MATH 155	Calculus and Analytic Geometry II	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 104	Statistics for Behavioral Science	4
SOC 104H	Statistics for Behavioral Science (Honors)	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 201	Objects and Ideas in Contemporary Art	3
ART 234	Kinetic Art	3
ART 244	Digital Media for the Visual Artist (F'14)	3

Transferring Course Work

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	Oral Interpretation of Literature	3
DESN 107	History of Western Architecture -A Sustainable Perspective	3
DNCE 100	Dance Appreciation	3
DNCE 100H	Dance Appreciation (Honors)	3
DNCE 101	Dance History	3
DNCE 105	Dance Cultures of the World	3
DRAM 105	Introduction to Theatre	3
DRAM 120	Dramatic Literature (Ancient Greeks to Shakespeare)	3
DRAM 121	Dramatic Literature (Restoration to Present)	3
DRAM 130	Acting I	3
DRAM 134	Introduction to Performance	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 112	Film History II: 1945-Present	3
MAT 105	History of Graphic Design	3
MUS 113	The Music of Multicultural America	3
MUS 114	History of Rock and Roll	3
MUS 115	Introduction to Western Music	3
MUS 116	A Survey of World Music	3
MUS 119	Jazz History	3
MUS 119H	Jazz History (Honors)	3

C2. Humanities

CHNS 101	Elementary Chinese (First Semester)	4
CHNS 102	Elementary Chinese (Second Semester)	4
CHNS 121	Introduction to Chinese Culture	3
CHNS 201	Intermediate Chinese (Third Semester)	4
COMM 215	Intercultural Communication	3
DNCE 104	Dance on Film	3
FILM 111	Film History I: 1880-1945	3
FILM 112	Film History II: 1945-Present	3
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3
FILM 212	Women and Film: Representation and Impact	3
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
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	Origins of Western Culture	3
HIST 103H	Origins of Western Culture (Honors)	3
HIST 104	Modern Western Culture	3
HIST 104H	Modern Western 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	Humanities of the Western World: Pre-History Through the Middle Ages	3
HUMN 202	Humanities of the Western World: The Renaissance to the Twentieth Century	3
HUMN 205	Women in Western Art and Literature	3
HUMN 250	American Studies: First Contact Through the Civil War	3
HUMN 251	American Studies: 1870s to the Present	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 104	Elementary Italian for Spanish speakers (Second Semester)	4
ITAL 121	Introduction to Italian Culture	3
ITAL 201	Intermediate Italian (Third Semester)	4
ITAL 202	Intermediate Italian (Fourth Semester)	4
ITAL 210	Intermediate Italian Conversation and Reading	3
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 Japanese Conversation I and Reading (F'16)	3

LIT 120	Introduction to Literature	3	COMM 135	Gender Studies in Communication	3
LIT 250	American Literature: First Contact Through the Civil War	3	COMM 220	Introduction to Mass Communication	3
LIT 251	American Literature: Mid-1800s to the Present	3	CSIT 160	Technology, the Individual, and Society	3
LIT 260	English Literature Through the 18th Century	3	ECON 100	Survey of Economics	3
LIT 260H	English Literature Through the 18th Century (Honors)	3	ECON 101	Principles of Economics: MACRO	3
LIT 261	English Literature: Romantic to Contemporary	3	ECON 102	Principles of Economics: MICRO	3
LIT 261H	English Literature: Romantic to Contemporary (Honors)	3	GEOG 102	Cultural Geography	3
LIT 265	Shakespeare Studies	3	GEOG 104	World Geography	3
LIT 265H	Shakespeare Studies (Honors)	3	GEOG 108	Environmental Sustainability and Society	3
LIT 270	World Literature to 1600	3	GERO 101	Introduction to Aging	3
LIT 271	World Literature Since 1600	3	GERO 250	Intergenerational Issues	3
MAT 105	History of Graphic Design	3	HIST 100	World History to 1500	3
PHIL 101	Introduction to Philosophy: Knowledge and Reality	3	HIST 100H	World History to 1500 (Honors)	3
PHIL 101H	Introduction to Philosophy: Knowledge and Reality (Honors)	3	HIST 101	World History Since 1500	3
PHIL 102	Contemporary Moral Problems	3	HIST 101H	World History Since 1500 (Honors)	3
PHIL 221	Philosophy of Religion	3	HIST 102	History of the Modern Middle East	3
RELG 101	World Religions	3	HIST 102H	History of the Modern Middle East (Honors)	3
RELG 105	Eastern Religions	3	HIST 105	History of England	3
SPAN 101	Elementary Spanish (First Semester)	4	HIST 105H	History of England (Honors)	3
SPAN 102	Elementary Spanish (Second Semester)	4	HIST 106	History of Technology	3
SPAN 201	Intermediate Spanish (Third Semester)	4	HIST 106H	History of Technology (Honors)	3
SPAN 202	Intermediate Spanish (Fourth Semester)	4	HIST 107	East Asian Societies	3
SPAN 203	Spanish for Native Speakers	4	HIST 110	United States History to 1877	3
SPAN 205	Hispanic Film, Literature, and Composition	3	HIST 110H	United States History to 1877 (Honors)	3
AREA D—Social Sciences			HIST 111	United States History Since 1877	3
Select three courses from at least two different disciplines.			HIST 111H	United States History Since 1877 (Honors)	3
ADM 100	Introduction to the Administration of Justice	3	HIST 113	American Military History	3
ADM 100H	Introduction to the Administration of Justice (Honors)	3	HIST 113H	American Military History (Honors)	3
ADM 200	Concepts of Criminal Law (F'11)	3	HIST 115	Women in American History	3
ANTH 102	Cultural Anthropology	3	HIST 115H	Women in American History (Honors)	3
ANTH 102H	Cultural Anthropology (Honors)	3	HIST 116	History of the Americas to 1830	3
ANTH 103	Introduction to Archaeology	3	HIST 116H	History of the Americas to 1830 (Honors)	3
ANTH 104	Native American Cultures	3	HIST 117	History of the Americas Since 1830	3
ANTH 105	Evolution of Human Behavior	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
CHLD 113	Child and Adolescent Growth and Development (F'11)	3	HIST 142	Mexican American History Since 1877 (F'10)	3
CHLD 210	Child, Family, and Community (F'11)	3	HIST 145	African American History to 1877 (F'10)	3
CHLD 235	Children in a Diverse Society	3	HIST 146	African American History Since 1877 (F'10)	3
COMM 120	Principles of Human Communication	3	HIST 165	California History	3
			NUTR 108	Cultural Aspects of Foods and Nutrition	3
			PLSC 101	Introduction to Political Science	3

Transferring Course Work

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 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 110	Comparative Cultures	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 240	Introduction to Black 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 145	African American History to 1877	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 146	African American History Since 1877	3
HIST 165	California History	3

Group III

PLSC 102	American Institutions and History	4
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These courses may be used to partially satisfy the Area D requirement.

AREA E—Lifelong Learning & Self-Development

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

BUS 136	Human Relations in Business (F'13)	3
BUS 147	Personal Finance (F'10)	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
INTR 100	Foundation Skills for the College Experience	4
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

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 2017 and are valid through summer 2018.

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.

Certification of this general education pattern is not a CSU admission requirement. Students should work with a MiraCosta College counselor to develop an educational plan that

includes general education and major preparation course work.

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.

* MiraCosta College will certify courses in Area A or B4 that have been completed with a minimum grade of "C" or "P." Acceptable courses from non-California community colleges may be completed with a minimum grade of C- in these areas.

() Course approved beginning semester and year indicated. Course taught on campus prior to CSU GE approval.

Laboratory course.

Plan C

Intersegmental General Education Transfer Curriculum (IGETC) for CSU and UC 2017–2018

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
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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

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:

BIO 180	Biostatistics	4
BTEC 180	Biostatistics	4
BUS 204	Business Statistics	3
CSIT 123	Introduction to Applied Data Analytics	3
MATH 103	Statistics	4

MATH 112	Mathematical Analysis	3
MATH 115	Calculus with Applications	4
MATH 126	Pre-Calculus I: College Algebra	4
MATH 131	Pre-Calculus II: Trigonometry and Analytic Geometry	4
MATH 150	Calculus and Analytic Geometry I	5
MATH 150H	Calculus and Analytic Geometry (Honors)	5
MATH 155	Calculus and Analytic Geometry II	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 104	Statistics for Behavioral Science	4
SOC 104H	Statistics for Behavioral Science (Honors)	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 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
DNCE 100	Dance Appreciation	3
DNCE 100H	Dance Appreciation (Honors)	3
DNCE 101	Dance History	3
DNCE 105	Dance Cultures of the World	3
DRAM 105	Introduction to Theatre	3
DRAM 120	Dramatic Literature (Ancient Greeks to Shakespeare)	3
DRAM 121	Dramatic Literature (Restoration to Present)	3
DRAM 134	Introduction to Performance	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 112	Film History II: 1945-Present	3

Transferring Course Work

MAT 105	History of Graphic Design	3
MUS 113	The Music of Multicultural America	3
MUS 114	History of Rock and Roll (F'09)	3
MUS 115	Introduction to Western Music	3
MUS 116	A Survey of World Music	3
MUS 119	Jazz History	3
MUS 119H	Jazz History (Honors)	3

3B. Humanities

CHNS 121	Introduction to Chinese Culture	3
CHNS 201	Intermediate Chinese (Third Semester)	4
COMM 215	Intercultural Communication	3
DNCE 104	Dance on Film	3
FILM 111	Film History I: 1880-1945	3
FILM 112	Film History II: 1945-Present	3
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3
FILM 212	Women and Film: Representation and Impact	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 101	World History Since 1500 (F'11)	3
HIST 101H	World History Since 1500 (Honors) (F'11)	3
HIST 103	Origins of Western Culture	3
HIST 103H	Origins of Western Culture (Honors)	3
HIST 104	Modern Western Culture	3
HIST 104H	Modern Western 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	Humanities of the Western World: Pre-History Through the Middle Ages	3
HUMN 202	Humanities of the Western World: The Renaissance to the Twentieth Century	3
HUMN 205	Women in Western Art and Literature	3
HUMN 250	American Studies: First Contact Through the Civil War	3
HUMN 251	American Studies: 1870s to the Present	3
ITAL 104	Elementary Italian for Spanish speakers (Second Semester)	4
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 120	Introduction to Literature	3
LIT 250	American Literature: First Contact Through the Civil War	3
LIT 251	American Literature: Mid-1800s to the Present	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 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 105	Eastern Religions	3
SPAN 201	Intermediate Spanish (Third Semester)	4
SPAN 202	Intermediate Spanish (Fourth Semester)	4
SPAN 203	Spanish for Native Speakers (F'09)	4
SPAN 205	Hispanic Film, Literature, and Composition	3

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 190	Primate Behavior and Ecology	3

CHEM 104	Chemistry of Living Things (Introduction to General, Organic, and Biochemistry) #	5
CHEM 108	Preparatory Chemistry (F'16) #	4
CHEM 110	General Chemistry #	5
CHEM 110H	General Chemistry (Honors) #	5
CHEM 111	General Chemistry #	5
CHEM 111H	General Chemistry (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
GEOL 101LH	Physical Geology Laboratory (Honors) #	1
OCEA 101	Introduction to Oceanography	3
OCEA 101H	Introduction to Oceanography (Honors)	3
OCEA 101L	Introductory Oceanography Laboratory #	1
PHSN 101	Fundamentals of Physical Science	3
PHSN 106	Energy, Motion, and Matter: An Introduction to 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 105	Evolution of Human Behavior	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 107	Introductory Biology: Marine Biology #	4
BIO 108	Introductory Biology: Ecology of the Oceans	3

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
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.)

CHNS 101	Elementary Chinese (First Semester)	4
FREN 101	Elementary French (First Semester)	4
GRMN 101	Elementary German (First Semester)	4
ITAL 101	Elementary Italian (First Semester)	4
JAPN 101	Elementary Japanese (First Semester)	4
SPAN 101	Elementary Spanish (First Semester)	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 145	African American History to 1877	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 146	African American History Since 1877	3
HIST 165	California History	3

Group III

PLSC 102	American Institutions and History	4
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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 2017 and are valid through summer 2018.

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 many but not all transfer students. Students should work with a MiraCosta College counselor to develop an educational plan that includes general education and major preparation course work specific to the intended UC campus.

- * 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.

Areas of Study & Courses

The background of the page is a solid light blue color. Overlaid on this are several abstract, wavy lines in various shades of blue, ranging from a very light, almost white blue to a vibrant, medium blue. These lines flow from the top left towards the bottom right, creating a sense of movement and depth. The lines are smooth and curved, resembling stylized waves or flowing water.

How to Read Course Descriptions

How to Read Course Descriptions

Courses listed in this catalog apply to the fall 2017, spring 2018, and summer 2018 terms. Courses are numbered within alphabetically arranged subject areas. *(Please refer to the Credit Courses (p. 21) 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.

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 course work. 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. (The number in parentheses that follows the lecture and lab hours serves an administrative purpose and is not intended for student use.)
- ▶ **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. 24) 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.

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.

Contact Information

Chair: Christina Sharp
Dean: Al Taccone
www.miracosta.edu/ACCT

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 a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 58)). 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.

An accountant generally works without continuous supervision. He/she has 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
ACCT 202	Managerial Accounting	4
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	
BUS 120	Introduction to Business	3
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.

A bookkeeper generally works under supervision. He/she makes 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.

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.

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	4
or ACCT 147	Advanced Tax Preparation	
ACCT 148	Computer Accounting	3
ACCT 149	IRS Volunteer Preparation	2
ACCT 158	Business Mathematics	3
or BUS 204	Business Statistics	
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	
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

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.

Required courses:		
ACCT 145	Individual Income Tax	4
ACCT 146	Taxation of Business Entities	4
ACCT 147	Advanced Tax Preparation	4
ACCT 148	Computer Accounting	3
or CSIT 128	Microsoft Excel for Business	
ACCT 149	IRS Volunteer Preparation	2
Total Units		17

Courses

ACCT 101: Practical Accounting

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 4 hours. (0502.00)

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. (0502.00)

Course Typically Offered: Fall, Spring, and Summer

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. (0502.00)

Course Typically Offered: Fall, Spring, and Summer

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. (0502.10)

Course Typically Offered: Fall, Spring, and Summer

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. (0502.10)

Course Typically Offered: Fall

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: Advanced Tax Preparation

Units: 4

Prerequisites: None

Advisory: ACCT 145 or ACCT 146.

Acceptable for Credit: CSU

Lecture 4 hours. (0502.10)

Course Typically Offered: Fall, Spring, and Summer

This course introduces advanced tax issues facing both individual taxpayers and various taxable entities, including corporations, partnerships, estates, and trusts. It emphasizes the U.S. tax code and regulations that relate to these parties, and it examines the complex tax transactions that may affect them, including related party transactions, tax computation, and working with the IRS and FTB on tax administration issues. This course also assists students in preparing to sit for the IRS Enrolled Agent exam.

ACCT 148: Computer Accounting

Units: 3

Prerequisites: None

Advisory: ACCT 101.

Acceptable for Credit: CSU

Lecture 3 hours. (0502.00)

Course Typically Offered: Fall, Spring, and Summer

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. (0502.10)

Course Typically Offered: Fall or Spring

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. (0502.00)

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.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (0502.00)

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. C-ID ACCT-110.

ACCT 202: Managerial Accounting

Units: 4

Prerequisites: ACCT 201.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (0502.00)

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. C-ID ACCT-120.

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.

Contact Information

Chair: Patrick Connolly

Dean: Al Taccone

www.miracosta.edu/ADM

Department: Administration of Justice

Office: Building OC4800,
760.795.6811

Full-Time Faculty

Patrick Connolly

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. 58)). 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

Associate in Science in Administration of Justice for Transfer Degree

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 60 semester (90 quarter) CSU transferable units.
- ▶ Complete all courses required in the major with a "C" or better.
- ▶ Complete the CSU-GE or CSU-IGETC* general education pattern.
- ▶ Achieve a minimum CSU transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

*Students completing UC-IGETC may be awarded the degree, but they will not meet CSU admission requirements.

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 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.)		6
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
SOC 101	Introduction to Sociology *	
or SOC 101H	Introduction to Sociology (Honors)	
PSYC 101/101H	General Psychology	
PSYC/SOC 104	Statistics for Behavioral Science *, **	
or BUS 204	Business Statistics	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOC 104H	Statistics for Behavioral Science (Honors)	
or MATH 103	Statistics	
Total Units		18-19

* Course satisfies a general education requirement on the CSU-GE or CSU-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 either PSYC 104, SOC 104, PSYC 104H or SOC 104H 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.

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

Areas of Study & Courses

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. (2105.00)

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. (2105.00)

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. (2105.00)

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. (2105.00)

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. (2105.00)

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. (2105.00)

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. (2105.00)

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. (2105.00)

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. (2105.00)

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. (2105.00)

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 U.S. transnational relations.

ADM 270: Crime and Delinquency

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (2105.00)

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. (2105.00)

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. (2105.00)

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.

ADM 298: Directed Study in Administration of Justice

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (2105.00)

Course Typically Offered: To be arranged

This course provides an opportunity for students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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 English skill instruction to bilingual or multilingual students who want or need to develop 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. ACE 149 and ACE 150, our composition courses, are UC/CSU transferable and lead students directly to ENGL 100.

Contact Information

Chair: Mary Gross

Dean: Dana Smith

www.miracosta.edu/ESL

Department: English as a Second Language

Office: Administration

Building, San Elijo Campus,
760.634.7879

Full-Time Faculty

Mary Gross
Melissa Lloyd-Jones

Courses

ACE 90: English Support for Psychology

Units: 1

Prerequisites: ACE 149, ENGL 49, ESL 149, or eligibility determined by the English placement process.

Lecture 1 hour. (4930.84)

Course Typically Offered: Fall or Spring

This accelerated integrated skills course is designed for students enrolled in psychology courses. It offers training in the writing of summaries, reading responses, analytical paragraphs and essays, and research papers, the reading of textbooks and articles, and vocabulary enrichment in the field of psychology. Taking this course simultaneously with a psychology course will increase opportunities for success in both courses.

ACE 92: English Support for Sociology

Units: 1

Prerequisites: ACE 149, ENGL 49, ESL 149, or eligibility determined by the English placement process.

Lecture 1 hour. (4930.84)

Course Typically Offered: Fall or Spring

This accelerated integrated skills course is designed for students enrolled in sociology courses. It offers training in the writing of summaries, reading responses, analytical paragraphs and essays, and research papers; the reading of textbooks and articles; and academic vocabulary enrichment in the field of sociology. Taking this course simultaneously with a sociology course will increase opportunities for success in both 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 ACE 49, ENGL 49, ESL 49, or ESL 149.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (4930.84)

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. (Formerly ACE 49.)

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 ACE 50, ESL 50, ESL 150, or ENGL 50.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (4930.84)

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. (Formerly ACE 50.)

ACE 296: Topics in American College English

Units: 1-3

Prerequisites: None

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours. (1501.00)

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.

Contact Information

Chair: Lynne Miller
Dean: Michael Fino
www.miracosta.edu/ANTH

Department: Social Science
Office: Building OC3600,
760.757.2121 x6924

Full-Time Faculty

Lynne Miller
Alexis Tucker Sade

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. (2202.00)
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.

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. (2202.00)
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.

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.
Acceptable for Credit: CSU, UC
Laboratory 3 hours. (2202.00)
Course Typically Offered: Fall, Spring

Designed to accompany Anthropology 101/101H, this laboratory allows students to garner practical, hands-on experience with the scientific method, genetic models, simulations of evolutionary processes, primate skeletal anatomy, primate behavior and ecology, human osteology, and casts and tools representing selected stages in human evolution.

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. (2202.00)
Course Typically Offered: Fall, Spring, and Summer

This course explores the fundamental characteristics of culture, including its structure, function, and means of change; the science of studying human culture; and human cultural variation in major topics, such as mode of subsistence, gender roles, kinship structures, political organizations, art, ritual, and celebrations of the human life cycle. UC CREDIT LIMITATION: Credit for ANTH 102 or ANTH 102H.

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. (2202.00)
Course Typically Offered: Fall or Spring

This honors course offers highly motivated students an advanced introduction to the study of human culture, including its structure, function, and means of change; the science and practical applications of studying human culture; and human cultural variation in major topics, such as mode of subsistence, gender roles, language, kinship structures, political organizations, art, and ritual. UC CREDIT LIMITATION: Credit for ANTH 102 or ANTH 102H.

ANTH 103: Introduction to Archaeology

Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours. (2202.20)
Course Typically Offered: Fall

This course explores archaeological theory and method, including techniques of field excavations and laboratory research. 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.

ANTH 104: Native American Cultures

Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours. (2202.00)
Course Typically Offered: Spring

This course explores the diversity of Native American cultures, including PaleolIndians (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

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2202.00)

Course Typically Offered: Fall

This course explores the biological basis and evolutionary value of various aspects of human behavior. Lectures draw upon current research in genetics and epigenetics, neuroanatomy and physiology, and endocrinology to establish the biological basis for behavior. Cross-cultural and cross-species studies show common patterns of behavior, and the scientific method is employed to analyze behaviors from an evolutionary perspective. Behaviors to be considered include mothering and fathering of infants, childhood play, development of independence during adolescence, menstrual synchrony, mating strategies, menopause and manopause, competition and cooperation, sex differences in cognitive abilities, and lifetime responses to early stress. The course emphasizes concepts, theories, and methods that specifically pertain to the practice of science in the discipline of anthropology.

ANTH 190: Primate Behavior and Ecology

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2202.00)

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, mother-infant bonding, the development of social groups, and cognition. The course also addresses research methodology and requires an observational project of primates at the San Diego Zoo and/or San Diego Zoo Safari Park.

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. (2202.00)

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.

ANTH 298: Directed Study in Anthropology

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (2202.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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.

Contact Information

Chair: Yoshimi Hayashi
Dean: Jonathan Fohrman
www.miracosta.edu/ART

Department: Art
Office: Building OC4700,
 760.795.6844

Full-Time Faculty

Leah Cluff
 Yoshimi Hayashi
 Peggy Jones
 Leslie Nemour

Gilbert Neri
 Anna O'Cain
 Dean Ramos

Associate Degrees

Associate in Arts Degree

Associate in Arts in Studio Arts for Transfer Degree



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 60 semester (90 quarter) CSU transferable units.
- ▶ Complete all courses required in the major with a "C" or better.
- ▶ Complete the CSU-GE or CSU-IGETC* general education pattern.
- ▶ Achieve a minimum CSU transferable GPA of 2.0.

- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

*Students completing UC-IGETC may be awarded the degree, but they will not 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: Acrylic	
ART 203	Life Drawing I	
ART 204	Painting I: Oils	
ART 205	Painting: Watercolor	
ART 206	Mixed Media Figure Studies I	
ART 207	Beginning Photography	
ART 210	Printmaking	
ART 216	Sculpture	
ART 217	Figure Sculpture	
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 CSU-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

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. 58)). 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



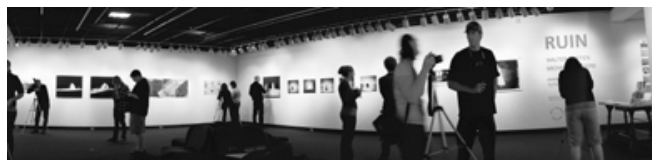
The Digital Photography certificate offers education and training in the use of digital cameras, related equipment, and editing tools and techniques for creating photographic portfolios, websites, and multimedia projects. Students produce a professional-quality printed portfolio. The program's emphasis 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. The student will also be able to demonstrate understanding of different photo techniques.

Required courses:		
ART 207	Beginning Photography	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	Advanced Photography	
ART 245	Digital Art and Media	
ART 254	Understanding and Appreciating the Photographic Image	
BUS 130	Entrepreneurship and Small Business Management	
MAT 110	Digital Imaging 1: Adobe Photoshop	
MAT 210	Digital Imaging 2: Advanced Photoshop	
ART 292	Internship Studies	
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.
- ▶ Upon completion of this program, the student will 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 254	Understanding and Appreciating the Photographic Image	
ART 258	Ancient to Gothic Art	

ART 259	History of Renaissance to Modern Art	
ART 260	History of Modern Art	
or ART 260H	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	Woodworking and Furniture Design I	
or ART 224	Woodworking and Furniture Design II	
ART 292	Internship Studies	
ANTH 102	Cultural Anthropology	
or ANTH 102H	Cultural Anthropology (Honors)	
BUS 130	Entrepreneurship and Small Business Management	
HIST 110	United States History to 1877	
or HIST 110H	United States History to 1877 (Honors)	
HIST 111	United States History Since 1877	
or HIST 111H	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

Drawing CRC

ART 100	Drawing and Composition
ART 102	Drawing and Composition II
ART 200	Drawing III
ART 203	Life Drawing I
ART 213	Life Drawing II
ART 263	Life Drawing III

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: Acrylic
ART 205	Painting: Watercolor
ART 212	Painting II: Acrylics
ART 215	Painting II: Watercolor
ART 241	Painting: Acrylic III
ART 242	Painting: Watercolor III
Photography CRC	
ART 207	Beginning Photography
ART 208	Advanced Photography
ART 251	Digital Photography
ART 253	Applied Digital Photography
Printmaking CRC	
ART 210	Printmaking
ART 218	Printmaking II
ART 221	Printmaking III
ART 222	Printmaking IV
Sculpture CRC	
ART 103	3D Design
ART 216	Sculpture
ART 217	Figure Sculpture
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. (1002.10)

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. (1002.10)

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.

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. (1002.10)

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.

ART 103: 3D Design

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours. (1002.20)

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

Lecture 3 hours. (1002.00)

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. (1002.00)

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. (1002.00)

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 177: Art in the Elementary Schools

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (1002.00)

Course Typically Offered: To be arranged

This course focuses on practical methods of teaching art to elementary school students. It examines art historical movements, theories, and criticism from both Western and non-Western cultures and relates these to the development and instruction of art. Topics include concepts and techniques of creating drawings, paintings, and sculptures to inform classroom instruction with children. (Materials Fee: \$10.00)

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. (1002.10)

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. (1002.00)

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: 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. (1002.10)

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. Course work includes lecture, lab, critique, and independent projects. Students may be required to attend field trips to art exhibitions.

ART 203: Life 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. (1002.10)

Course Typically Offered: Fall, Spring

This beginning life drawing course focuses on representation of the human figure. Students work from a nude model 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. (1002.10)

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: 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. (1002.10)

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. Course work 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. (1002.10)

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: Beginning Photography

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours. (1011.00)

Course Typically Offered: Fall, Spring

This course provides an in-depth study of the camera, black-and-white film processing and darkroom printing, lighting techniques, presentation, and exhibition. It emphasizes controlling fundamental materials and processes and choosing appropriate subject matter.

ART 208: Advanced Photography

Units: 3

Prerequisites: ART 207.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours. (1011.00)

Course Typically Offered: Fall or Spring

This course builds upon skills learned in Beginning Photography (ART 207). Topics include intermediate and advanced techniques in black and white photography, including camera use, film handling, and printing in the darkroom. Students explore photography as a means of visual communication and creative expression. The course culminates with a professional portfolio of finished work.

ART 210: Printmaking

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours. (1002.00)

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. (1002.10)

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: Acrylics

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. (1002.10)

Course Typically Offered: Fall, Spring

This course emphasizes intermediate practices in acrylic painting. Students develop an acrylic painting portfolio by creating a variety of 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: Life 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. (1002.10)

Course Typically Offered: Fall, Spring

Students in this intermediate course create figurative drawings from observation, 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 and other assigned reference sources.

ART 214: Painting II: Oils

Units: 3

Prerequisites: ART 204.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours. (1002.10)

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. (1002.10)

Course Typically Offered: Fall, Spring

This course emphasizes intermediate practices in watercolor painting. Students develop a watercolor painting portfolio by creating a variety of expressive works using a variety of techniques and materials unique to watercolor. Students study historic and current painters and contemporary painting trends. The 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. (1002.20)

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

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours. (1002.20)

Course Typically Offered: Fall

This introductory sculpture course uses the human figure as its subject matter. Students work from the nude model, photos, and other sources to develop their skills, and they work with a variety of materials, such as clay, plaster, metal, and wood. (Materials Fee: \$25.00)

ART 218: Printmaking II

Units: 3

Prerequisites: ART 210.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours. (1002.00)

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 221: Printmaking III

Units: 3

Prerequisites: ART 218.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours. (1002.00)

Course Typically Offered: Fall or Spring

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.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours. (1002.00)

Course Typically Offered: Fall or Spring

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

Lecture 1.50 hours, laboratory 4.50 hours. (1001.00)

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. (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. (1002.20)

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. Students are required to pay a materials fee. (Materials Fee: \$25.00)

ART 225: Ceramics I

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours. (1002.30)

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 kiln 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. (1002.30)

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. (1002.30)

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 include alternative firings and construction of kilns. The course emphasizes combining hand building and 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. (1002.30)

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 visit exhibitions and attend field trips to view artworks. (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. (1002.20)

Course Typically Offered: Fall or 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 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. (1001.00)

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

Lecture 1.50 hours, laboratory 4.50 hours. (1002.00)

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. (1002.00)

Course Typically Offered: Fall or Spring every 3rd sem

This course covers the history and practice of movement in art. It combines the use and 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. (1002.20)

Course Typically Offered: Fall or 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: Acrylic III

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, UC

Lecture 1.50 hours, laboratory 4.50 hours. (1002.10)

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: Watercolor III

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, UC

Lecture 1.50 hours, laboratory 4.50 hours. (1002.10)

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. (1030.00)

Course Typically Offered: Spring

This studio art course investigates the intersection of visual representation, contemporary art, and two-dimensional digital imaging 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. (1030.00)

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 ARTS-250.

ART 251: Digital Photography

Units: 3

Prerequisites: None

Advisory: MAT 110.

Acceptable for Credit: CSU, UC

Lecture 1.50 hours, laboratory 4.50 hours. (1030.00)

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 2 hours, laboratory 3 hours. (1012.00)

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 and 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. (1002.00)

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. (1001.00)

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. (1001.00)

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. (1001.00)

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 or 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. (1002.00)

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. (1002.10)

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 263: Life 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. (1002.10)

Course Typically Offered: Spring

Students in this advanced course create drawings of nude models 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. (1002.10)

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 270: History and Theory of Museum and Gallery Exhibition

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1001.00)

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. (1001.00)

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 hands-on practice planning, designing, installing, and publicizing exhibitions.

ART 290: Landmarks of Art

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1001.00)

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 fieldtrips 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. (1002.00)

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. (1002.00)

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 298: Directed Study in Art

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1002.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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

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.

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 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.

Contact Information

Chair: John Turbeville
Dean: Michael Fino
www.miracosta.edu/ASTR

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. (1911.00)
 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 and night sky; Newton's laws of motion and gravitation; historical astronomy; electromagnetic radiation; spectroscopy; optics and telescopes; the formation and evolution of stars, planets, nebulae, galaxies, and the Universe as a whole; the Big Bang; 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. (1911.00)
 Course Typically Offered: Fall, Spring

This course provides 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 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. (1911.00)
 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 or eligibility determined by the math placement process.
 Advisory: MATH 135.
 Acceptable for Credit: CSU, UC
 Lecture 3 hours. (1911.00)
 Course Typically Offered: To be arranged

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 towards 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.

Contact Information

Chair: Gail Meinhold
Dean: Al Taccone
 www.miracosta.edu/
 studentservices/athletics/

Department: Kinesiology, Health and Nutrition
Office: Building OC4800, 760.795.6811

Courses

ATHL 100: Volleyball Techniques

Units: 0.5-1
 Prerequisites: None
 Acceptable for Credit: CSU, UC
 Laboratory 3 hours. (0835.00)
 Course Typically Offered: Fall

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. (0835.50)
 Course Typically Offered: Spring

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 Sand Volleyball, Women

Units: 3.5
 Prerequisites: None
 Acceptable for Credit: CSU, UC
 Laboratory 10.50 hours. (0835.50)
 Course Typically Offered: Spring

This course emphasizes advanced-level instruction and training in sand volleyball. Students develop skills, techniques, and strategies that are applied to intercollegiate sand 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. (0835.00)

Course Typically Offered: Spring

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. 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 118: Basketball Techniques

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0835.00)

Course Typically Offered: Spring

This activity class integrates basketball theory with practice in game situations. Topics include basketball techniques, strategies, and rules. 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 134: Soccer

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0835.00)

Course Typically Offered: Fall

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. Students develop 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.

ATHL 171: Intercollegiate Basketball, Men/Women

Units: 3.5

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 10.50 hours. (0835.50)

Course Typically Offered: Spring

This class emphasizes advanced 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 188: Intercollegiate Soccer, Men/Women

Units: 3.5

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 10.50 hours. (0835.50)

Course Typically Offered: Spring

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, service manager, and parts specialist. Potential employers include automotive dealerships and independent repair facilities.

Contact Information

Chair: Paul Katson

Dean: Al Taccone

www.miracosta.edu/AUTO

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. 58)). 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	
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AUTO 220	HVAC Heating, Ventilation, and Air Conditioning	
Total Units		13-16

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. Students may earn the Automotive Technology Certificate by completing the following courses.

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 Hybrid and Alternative Fuel 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
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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	Advanced Automotive Reconditioning and Detailing	
BUS 135	Personal Selling	
BUS 137	Customer Service	
Total Units		13-14

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 proficiency.

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 Hybrid and Alternative Fuel Vehicles	4
or AUTO 235	Advanced Electronics and Electronic Engine Control Systems	
AUTO 205	Advanced Automotive Reconditioning and Detailing	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
or BUS 137	Customer Service	
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 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
Total Units		16

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

Courses

AUTO 100: Basic Motorcycle Maintenance and Small Engine Repair

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0948.30)

Course Typically Offered: Summer

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 of motorcycle systems. The course is designed for students without small engine experience.

AUTO 102: Preventive Maintenance and Engine Performance

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours. (0948.00)

Course Typically Offered: Fall, Spring, and Summer

Designed to develop an understanding of the operation, care, and preventive maintenance of the automobile, this course covers the overall theory of the automobile, including maintenance of tires, wheels, brakes, suspensions; characteristics of fuels, oil and lubricants; maintenance of smog devices; basic engine performance and automotive electronics procedures; and safety factors.

AUTO 105: Automotive Reconditioning and Detailing

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours. (0948.00)

Course Typically Offered: Fall, Spring

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, emission controls, and safety, including an overview of the retail certification processes for used vehicles prior to sale. Students are required to attend a local Concours-quality auto show.

AUTO 125: CA Smog Technician Engine and Emission Control - Level 1

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in AUTO 150.

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours. (0948.00)

Course Typically Offered: Fall, 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. (0948.00)

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, carburetion, fuel injection, and emission control systems as well as maintenance and servicing procedures. It also introduces students to hybrid technology and computerized systems, and it prepares them for the study of AUTO 141 Engine Performance and Drivability.

AUTO 135: Auto Electronic Fundamentals

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours. (0948.00)

Course Typically Offered: Fall, Spring

This course prepares students for the study of automotive electrical and electronic computer control systems, covering the fundamentals of electricity, electromagnetism, electromagnetic induction, electronics, and D/C and A/C current theory. It 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

Enrollment Limitation: Not open to students with prior credit in AUTO 151.

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours. (0948.00)

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. Students disassemble, inspect, and assemble engine blocks and cylinder heads to factory specifications. 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

Enrollment Limitation: Not open to students with prior credit in AUTO 151 or AUTO 230.

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours. (0948.00)

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. (0948.00)

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. The course helps students prepare for the Automotive Service Excellence (ASE) A3 Manual Transmission examination.

AUTO 156: Automatic Transmissions and Transaxles

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours. (0948.00)

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. The course helps prepare students for the Automotive Service Excellence (ASE) A2 Automatic Transmission examination.

AUTO 160: Automotive Suspension, Steering, and Alignment

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in AUTO 122 or AUTO 152.

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours. (0948.00)

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.

AUTO 161: Automotive Brake Service and Repair

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in AUTO 120 or AUTO 152.

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours. (0948.00)

Course Typically Offered: Fall, Spring

This course covers the theory, service, and repair of hydraulic brake, antilock brake, and traction control systems. It emphasizes machining brake rotors and drums to factory specifications using safety protocols, diagnostics, and repair strategies. Students practice disc rotor and drum brake machining 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 Hybrid and Alternative Fuel Vehicles

Units: 4

Prerequisites: AUTO 135.

Advisory: AUTO 102 or AUTO 130.

Acceptable for Credit: CSU

Lecture 3.50 hours, laboratory 1.50 hours. (0948.00)

Course Typically Offered: Fall

This course covers the theory, service, safety procedures, and repair of automotive hybrid and alternative-fuel powered vehicles. It emphasizes specialized tools, equipment, and component failure analysis. Students learn the complex theories of high voltage DC electrical systems, regenerative braking, biodiesel, natural gas, propane, alcohol, hydrogen, and algae-based alternative fuel systems, coupled with manufacturer-specific service and repair protocol. This course prepares students for entry-level employment as hybrid vehicle technicians and introduces them to existing and future alternative fuel technologies. (Formerly AUTO 296-1.)

AUTO 205: Advanced Automotive Reconditioning and Detailing

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours. (0948.00)

Course Typically Offered: Spring

This course covers advanced procedures for automotive reconditioning and detailing. Topics include exterior and interior cosmetic reconditioning processes consisting of bumper repair, interior repair, introduction to paintless dent removal, and advanced detailing techniques. 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. (0948.00)

Course Typically Offered: Spring

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) heating, ventilation, and air conditioning test.

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. (0948.00)

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. (0948.00)

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. The course provides in-depth coverage of engine management sensors, actuators, idle speed, and transaxle electronic controls, and it emphasizes OBD II systems and computerized CAN BUS communications. This course 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

Advisory: Each Topics course will be announced and described with its own title and 296 number designation in the class schedule.

Acceptable for Credit: CSU

Lecture 1 hour or Laboratory 3 hours.

Lecture 2 hours or Lecture 1 hours, Laboratory 3 hours.

Lecture 3 hours or Lecture 2 hours, Laboratory 3 hours. (0948.00)

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.

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 health care, biotechnology, medical research, wildlife conservation, marine science, and education.

Contact Information

Chair: Julie Haugsness-White

Dean: Michael Fino

www.miracosta.edu/BIO

Department: Biological Sciences

Office: Building OC3600,
760.757.2121 x6924

Full-Time Faculty

Suzie Bailey

Gail Baughman

Raymond Clark

Julie Haugsness-White

Stacey Hull

Jeff Ihara

Himgauri Kulkarni

Jeanine Sepulveda

John Thomford

Janelle West

Courses

BIO 102: Introductory Biology: Ecology and Environmental Biology

Units: 4

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, laboratory 3 hours. (0301.00)

Course Typically Offered: Fall, Spring

This general education life science course is intended for non-science track students. It uses an interdisciplinary approach to explore the science of ecology and address contemporary environmental issues seeking sustainable solutions. Combining classroom investigation with field exploration, the lab component includes several field trips to local environmental resources.

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. (0401.00)

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

Enrollment Limitation: Not open to students with prior credit in BIO 150.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours. (0401.00)

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. (Formerly BIO 150)

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. (0401.00)

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 107: Introductory Biology: Marine Biology

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in BIO 170.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours. (0401.00)

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. (Formerly BIO 170)

BIO 108: Introductory Biology: Ecology of the Oceans

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in BIO 172.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (0401.00)

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. (Formerly BIO 172).

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 100 or BIO 101 and BIO 101L.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours. (0401.00)

Course Typically Offered: Fall, Spring, and Summer

This entry-level course provides a broad perspective of biological concepts and principles. 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, systems biology, 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. UC CREDIT LIMITATION: Credit for BIO 103, BIO 105, BIO 110, or BIO 111. (Formerly BIO 100)

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: Concurrent enrollment in BIO 111L.

Enrollment Limitation: Not open to students with prior credit in BIO 101 or BIO 110.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (0401.00)

Course Typically Offered: Fall, Spring, and Summer

This entry-level course provides a broad perspective of biological concepts and principles. 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, systems biology, and the evolution and adaptation of living organisms. UC CREDIT LIMITATION: Credit for BIO 103, BIO 105, BIO 110, or BIO 111. (Formerly BIO 101)

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 101L or BIO 110.

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0401.00)

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. (Formerly BIO 101L)

BIO 111S: Introductory Biology: Learning Assistance for Preparation for Pre-Health Professions

Units: 1

Prerequisites: None

Enrollment Limitation: Concurrent enrollment in BIO 110 or BIO 111. Not open to students with prior credit in BIO 101S, BIO 110, or BIO 111.

Acceptable for Credit: CSU

Lecture 1 hour. (0401.00)

Course Typically Offered: Fall, Spring

This optional learning assistance course provides students enrolled in BIO 110 or BIO 111 extended opportunities to develop their fundamental understanding and mastery of biological concepts and principles that will be directly applied toward success in BIO 110 and BIO 111. Offered pass/no-pass only. (Formerly BIO 101S)

BIO 180: Biostatistics

Units: 4

Prerequisites: MATH 64, MATH 95, or eligibility determined by the math placement process.

Advisory: BIO 110 or BIO 111.

Enrollment Limitation: Not open to students with prior credit in: BTEC 180, BUS 204, PSYC 104, PSYC 104H, SOC 104, or SOC 104H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours. (0401.00)

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 BIO 180/BTEC 180, BUS 204, MATH 103, PSYC 104/SOC 104, or PSYC 104H/SOC 104H.

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. (0401.00)

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 or eligibility determined by the math placement process.

Advisory: Completion of college-level coursework in biology with focus at organismal or populational level, e.g., BIO 102, BIO 103, BIO 104, BIO 107, BIO 110, BIO 111, or BIO 220.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours. (0401.00)

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-140.

BIO 204: Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology

Units: 4

Prerequisites: CHEM 110 or CHEM 110H.

Enrollment Limitation: Not open to students with prior credit in BIO 204H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours. (0401.00)

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.

BIO 204H: Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology (Honors)

Units: 4

Prerequisites: CHEM 110 or CHEM 110H.

Enrollment Limitation: Not open to students with prior credit in BIO 204.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours. (0401.00)

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.

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. (0410.00)

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.

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

Lecture 2 hours, laboratory 6 hours. (0410.00)

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.

BIO 220: Human Physiology

Units: 4

Prerequisites: BIO 110, BIO 111, BIO 204, BIO 204H, or BIO 210, BIO 210H.

Advisory: CHEM 100, CHEM 100H, or CHEM 104.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours. (0410.00)

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.

BIO 230: Introduction to Microbiology

Units: 5

Prerequisites: BIO 220, CHEM 100, CHEM 100H, CHEM 104, CHEM 108, CHEM 110, or CHEM 110H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours. (0403.00)

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. (0401.00)

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: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours. (0401.00)

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 298: Directed Study in Biology

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (0401.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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

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.

BIO 340: Molecular Mechanisms of Disease

Units: 3

Prerequisites: BIO 105, BIO 110, BIO 111, BIO 204, or BIO 204H, and CHEM 110 or CHEM 110H.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours. (0401.00)

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 through the research, development, testing, manufacturing, and marketing of products related to the biomedical 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.

New Bachelor's Degree Program

The college is now offering a bachelor's degree in biomanufacturing. The program builds upon the associate degree program in biomanufacturing, allowing students who complete the associate degree or equivalent course work 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.

Contact Information

Chair: Gail Baughman
Dean: Michael Fino
www.miracosta.edu/BTEC

Department: Biotechnology
Office: Building OC3600,
 760.757.2121 x6874

Full-Time Faculty

Gail Baughman
 Barbara Juncosa
 Billyana Tsvetanova

Bachelor's Degree

Bachelor of Science Degree

Biomanufacturing

The biomanufacturing bachelor's degree program develops the skills, abilities, and knowledge for students to work in the unique environment of biological production, where the science thrives in partnership with quality and compliance. This degree program explicitly emphasizes the applied, quantitative analysis of biomanufacturing process design and performance.

The biomanufacturing bachelor's degree will 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 builds upon the college's associate degree program in biomanufacturing, allowing students who complete the associate degree or equivalent course work from other colleges to enter as juniors and earn a baccalaureate.

NOTE: All associate degree programs include the completion of a general education (GE) pattern of courses. Students earning the college's associate degree in biomanufacturing must complete either the CSU-GE (Plan B) or the IGETC (Plan C) pattern to be eligible for admission to the bachelor's degree program.

Bachelor's Degree Requirements

The biomanufacturing bachelor's degree program requires the completion of 120 semester units that include the following:

- ▶ 36-37 units of lower-division major course work
- ▶ 37-41 units of lower-division general education course work (from Plans B or C)
- ▶ 36 units of upper-division major course work
- ▶ 9 units of upper-division general education course work
- ▶ Transferable electives as necessary to complete 120 units.

Students are also required to complete a minimum of 12 units in residence at MiraCosta College and to achieve at least a 2.0 grade point average (GPA).

Eligibility Requirements for Admission

- ▶ Overall GPA of 2.0 for all course work
- ▶ Completion of the following science prerequisites with a combined GPA of no less than 2.5 with no grade less than a C (or P) on a 4.0 scale:
 - ▶ General biology (BIO 105, BIO 110, BIO 111, or equivalent)
 - ▶ CHEM 110/CHEM 110H
 - ▶ CHEM 111/CHEM 111H
 - ▶ BTEC 110
 - ▶ BTEC 120
 - ▶ BTEC 210
 - ▶ BTEC 211

- ▶ BTEC 221
- ▶ BTEC 222
- ▶ Completion of the following prerequisites with a grade of C (or P) or better on a 4.0 scale:
 - ▶ ENGL 100
 - ▶ Statistics (BTEC 180/BIO 180, MATH 103, BUS 204, PSYC 104/SOC 104, PSYC 104H/SOC 104H, or equivalent)

Qualified applicants will be selected for admission based on a comprehensive review process that gives additional weight to the following:

- ▶ Completion of an associate degree in research and development, biomanufacturing, or equivalent.
- ▶ Completion of additional 200-level BTEC courses.
- ▶ Completion (or partial completion) of CSU-GE (Plan B) or IGETC (Plan C).
- ▶ Relevant life experiences or special circumstances, such as disabilities, low family income, first generation college student, veteran status, and other criteria. For specifics on the comprehensive review process, see miracosta.edu/bachelors.

How to Apply

Students complete the standard online application to the college as well as the Application for the Bachelor of Science in Biomanufacturing, which is also available online.

Upper-Division Tuition

Upper-division course work costs \$130 per unit, which is an additional \$84 per unit currently charged for lower-division course work.

Program Student Learning Outcome Statements:

- ▶ 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.
- ▶ Students will be able to 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 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
Total Units		45

Associate Degrees

Associate in Science Degree Biomanufacturing

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. 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) or the IGETC (Plan C) pattern. Students should meet with a MiraCosta counselor to develop a written educational plan for the specific degree they wish to earn.

**Associate in Arts Degree
Research and Development**



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. 58)). 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 the program, students will report that they were sufficiently developed to meet employer expectations for entry-level performance in a technical laboratory.

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, applied research, 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:		
BIO 105	Introductory Biology: Biotechnology in Society	3-4
or BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)	
or BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	
BIO 180	Biostatistics	4
or BTEC 180	Biostatistics	
BTEC 110	Basic Techniques in Biotechnology	4
BTEC 120	Business and Regulatory Practices in Biotechnology	3
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 108	Preparatory Chemistry	4
CHEM 110	General Chemistry	5
or CHEM 110H	General Chemistry (Honors)	
CHEM 111	General Chemistry	5
or CHEM 111H	General Chemistry (Honors)	
ENGL 100	Composition and Reading	4
Select three courses from the following:		3
BTEC 201	Advanced Cell Culture	
BTEC 203	Techniques in DNA Amplification	
BTEC 207	Techniques in Immunochemistry and ELISA	
BTEC 292	Internship Studies	
BTEC 299	Occupational Cooperative Work Experience	
Total Units		40-41

**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	4
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 210	Data Analysis with Excel	1
BTEC 292	Internship Studies	
BTEC 299	Occupational Cooperative Work Experience	
Total Units		12

Certificate of Achievement

Research and Development

The Research and Development 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 three-semester program is designed to give students the theoretical background and practical experience necessary to be an effective laboratory technician as well as to prepare them for upper division course work in the biosciences. Graduates of this biotechnology program can expect to be employed in various capacities, including quality control, quality assurance, production, 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:		
BIO 105	Introductory Biology: Biotechnology in Society	3-4

or BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)	
or BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	
BTEC 110	Basic Techniques in Biotechnology	4
BTEC 120	Business and Regulatory Practices in Biotechnology	3
BTEC/BIO 180	Biostatistics	4
CHEM 108	Preparatory Chemistry	4
CHEM 110	General Chemistry	5
or CHEM 110H	General Chemistry (Honors)	
CHEM 111	General Chemistry	5
or CHEM 111H	General Chemistry (Honors)	
CSIT 110	Computer Applications	1-3
or CSIT 115	Intermediate Computer Applications	
or CSIT 128	Microsoft Excel for Business	
or BTEC 210	Data Analysis with Excel	
ENGL 100	Composition and Reading	4
MATH 64	Intermediate Algebra	4
Select at least 4 electives from below:		4-5
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 211	Technical Writing for Regulated Environments	
BTEC 221	Bioprocessing: Cell Culture and Scale-up	
BTEC 222	Bioprocessing: Large Scale Purification	
BTEC 292	Internship Studies	
BTEC 299	Occupational Cooperative Work Experience	
Total Units		41-45

Certificate of Proficiency

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 110	Basic Techniques in Biotechnology	4
BTEC 120	Business and Regulatory Practices in Biotechnology	3
Select at least four courses from the following:		4-5
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 210	Data Analysis with Excel	
BTEC 211	Technical Writing for Regulated Environments	
BTEC 221	Bioprocessing: Cell Culture and Scale-up	
BTEC 222	Bioprocessing: Large Scale Purification	
BTEC 292	Internship Studies	
BTEC 299	Occupational Cooperative Work Experience	
Total Units		11-12

Courses

BTEC 110: Basic Techniques in Biotechnology

Units: 4

Prerequisites: CHEM 108.

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process; and BIO 105, BIO 110, or BIO 111.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 6 hours. (0430.00)

Course Typically Offered: Fall, Spring

This course focuses on the basic laboratory skills needed for employment in the bioscience/biotechnology 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 both bacterial and mammalian cell cultures (tissue culture). Students also develop fundamental skills in spectroscopy, centrifugation, performance of assays, gel electrophoresis, and the purification and handling of biological molecules, such as proteins and DNA. (Materials Fee: \$30.00)

BTEC 120: Business and Regulatory Practices in Biotechnology

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (0430.00)

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 64, MATH 95, or eligibility determined by the math placement process.

Advisory: BIO 110 or BIO 111.

Enrollment Limitation: Not open to students with prior credit in BIO 180, BUS 204, PSYC 104, PSYC 104H, SOC 104, or SOC 104H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours. (0430.00)

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 BIO 180/BTEC 180, BUS 204, MATH 103, PSYC 104/SOC 104, or PSYC 104H/SOC 104H.

BTEC 201: Advanced Cell Culture

Units: 1

Prerequisites: None

Advisory: BTEC 110.

Acceptable for Credit: CSU

Lecture 0.50 hour, laboratory 1.50 hours. (0430.00)

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: None

Advisory: BTEC 110.

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 0.75 hour. (0430.00)

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 set up, performance, and evaluation of the outcome of the technique. The course assumes some prior knowledge of solution preparation and gel electrophoresis.

BTEC 204: Recombinant DNA

Units: 1

Prerequisites: None

Advisory: BTEC 110.

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 0.75 hour. (0430.00)

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: None

Advisory: BTEC 110.

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 0.75 hour. (0430.00)

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: None

Advisory: BTEC 110.

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 0.75 hour. (0430.00)

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 100.

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 0.75 hour. (0430.00)

Course Typically Offered: Fall, Spring

This course teaches 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: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU

Lecture 1 hour. (0430.00)

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: None

Advisory: BTEC 110 and BTEC 120.

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 2.25 hours. (0430.00)

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: None

Advisory: BTEC 110 and BTEC 120.

Acceptable for Credit: CSU

Lecture 0.75 hour, laboratory 2.25 hours. (0430.00)

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 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. (0430.00)

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. (0430.00)

Course Typically Offered: Spring

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. (0430.00)

Course Typically Offered: Fall

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, and BTEC 180 or BIO 180.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours, laboratory 3 hours. (0430.00)

Course Typically Offered: Spring

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. (0430.00)

Course Typically Offered: Fall

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 BIO 180.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours. (0430.00)

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 administered by the American Society for Quality for qualification with a white 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: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours. (0430.00)

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. (0430.00)

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. (0430.00)

Course Typically Offered: Spring

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. (0430.00)

Course Typically Offered: Fall

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. (0430.00)

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.

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.

Contact Information

Chair: Christina Sharp
Dean: Al Taccone
www.miracosta.edu/BUS

Department: Business
Office: Building OC4800,
 760.795.6811

Full-Time Faculty

Annie Ngo
 Christina Sharp
 Rita Soza

Associate Degrees



Associate in Science Degree

Associate in Science in Business Administration for Transfer Degree

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 60 semester (90 quarter) CSU transferable units.
- ▶ Complete all courses required in the major with a "C" or better.
- ▶ Complete the CSU-GE or CSU-IGETC* general education pattern.
- ▶ Achieve a minimum CSU transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

*Students completing UC-IGETC may be awarded the degree, but they will not meet CSU admission requirements.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, the student will be able to interpret and analyze the Income Statement, Balance Sheet, and Statement of Cash Flows for the purpose of making business decisions.

Required Core: (17 units)

ACCT 201	Financial Accounting **	4
ACCT 202	Managerial Accounting **	4
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 103	Statistics * , **	
MATH 115	Calculus with Applications * , **	
List B: 6-7 Units. Select any two courses not selected from List A.		6-7
BUS 120	Introduction to Business	
BUS 290	Business Communication **	
or BUS 290H	Business Communication (Honors)	
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 CSU-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 may complete either BUS 204 or MATH 103 to fulfill the business major statistics requirement at CSUSM.

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 Degrees

Entrepreneurship

Management

Marketing

Retail 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. 58)). 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 select a target market and develop the marketing mix for a specific product or service.

Required courses:

BUS 132	Marketing	3
BUS 136	Human Relations in Business	3
ACCT 101	Practical Accounting	4
or ACCT 201	Financial Accounting	
BUS 130	Entrepreneurship and Small Business Management	3
Select at least 9 elective units from the following:		9
BUS 134	Retail Management	
BUS 135	Personal Selling	
BUS 137	Customer Service	
BUS 138	Business Promotion	
BUS 147	Personal Finance	
BUS 160	International Business	
BUS 292	Internship Studies	
CSIT 146	E-Commerce and Web Presence	
HOSP 100	Introduction to Hospitality Management	
MAT 125	Web Design 1: Fundamentals	

MTEC 160	Business of Music 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 identify, compare, and contrast communication styles to improve personal effectiveness.

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
BUS 130	Entrepreneurship and Small Business Management	
BUS 133	Project Management	
BUS 134	Retail Management	
BUS 137	Customer Service	
BUS 140	Legal Environment of Business	
or BUS 140H	Legal Environment of Business (Honors)	
BUS 204	Business Statistics	
BUS 292	Internship Studies	
ACCT 202	Managerial Accounting	
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 certificate 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 select a target market and develop the marketing mix for a specific product or service.

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:		9
BUS 134	Retail Management	
BUS 136	Human Relations in Business	
BUS 137	Customer Service	
BUS 160	International Business	
BUS 204	Business Statistics	
BUS 292	Internship Studies	
CSIT 146	E-Commerce and Web Presence	
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 evaluate a potential layout analysis for a proposed retail business.

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	

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 137 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 137	Customer Service	
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 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 a communications course and a computer skills course.

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
BUS 290	Business Communication	3
or BUS 290H	Business Communication (Honors)	
CSIT 110	Computer Applications	3
Total Units		9

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 select a target market and develop the marketing mix for a specific product or service.

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
CSIT 110	Computer Applications	3
Select one course from the following:		3
BUS 130	Entrepreneurship and Small Business Management	
CSIT 120	Fundamentals of Computer Information Systems	
DESN 204	Advanced 3D Modeling and Prototyping	
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 a customer service program to meet the goals of a specific organization.

Required courses:		
BUS 132	Marketing	3
BUS 137	Customer Service	3
ACCT 158	Business Mathematics	3
Total Units		9

Courses

BUS 117: Human Resources Management

Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours. (0506.00)
Course Typically Offered: Fall

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
Acceptable for Credit: CSU, UC
Lecture 3 hours. (0506.00)
Course Typically Offered: Fall, Spring

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.

BUS 130: Entrepreneurship and Small Business Management

Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours. (0506.40)
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. (0506.00)
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. (0509.00)
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. (0506.00)

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. (0506.00)

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. (0509.40)

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. (0506.00)

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 137: Customer Service

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (0506.00)

Course Typically Offered: Fall, Spring

This course presents a practical approach to understanding and implementing the principles of customer service within an organization. Topics include verbal and nonverbal communication, how to create a culture of service and build customer loyalty, and the role and use of technology in the service industry.

BUS 138: Business Promotion

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (0509.00)

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. (0505.00)

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 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. (0505.00)

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 147: Personal Finance

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (0502.00)

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 160: International Business

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (0508.00)

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 64, MATH 95, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in BIO 180, BTEC 180, PSYC 104, PSYC 104H, SOC 104, or SOC 104H.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (0505.00)

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, and applications of technology for statistical analysis, including the interpretation of the relevance of statistical findings for business problem solving and decision making. UC CREDIT LIMITATION: Credit for BIO 180/BTEC 180, BUS 204, MATH 103, PSYC 104/SOC 104, or PSYC 104H/SOC 104H.

BUS 290: Business Communication

Units: 3

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Advisory: ENGL 100.

Enrollment Limitation: Not open to students with prior credit in BUS 290H.

Acceptable for Credit: CSU

Lecture 3 hours. (0506.00)

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. UC CREDIT LIMITATION: Credit for BUS 290 or BUS 290H.

BUS 290H: Business Communication (Honors)

Units: 3

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Advisory: ENGL 100.

Enrollment Limitation: Not open to students with prior credit in BUS 290.

Acceptable for Credit: CSU

Lecture 3 hours. (0506.00)

Course Typically Offered: Fall, Spring, and Summer

This 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. UC CREDIT LIMITATION: Credit for BUS 290 or BUS 290H.

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. (0501.00)

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 298: Directed Study in Business

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (0506.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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.

BUS 302: Leadership and Personal Development

Units: 3

Prerequisites: ENGL 100.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours. (0505.00)

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.

Business Office Technology

The Business Office Technology (BOT) program offers career and technical education courses for students and working professionals who want to learn or update specific job skills or obtain specialized certificates in the office/administrative assistant skill area. Career fields include general administrative support, secretarial, clerical, office assistant, executive assistant, office management, and customer service.

Contact Information

Chair: Steve Isachsen (Fall 2017)

Dean: Al Taccone
www.miracosta.edu/BOT

Department: Computer Studies and Information Technology

Office: Building OC4800,
760.795.6811

Associate Degrees

Associate in Arts Degrees

Administrative Professional Office Manager

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. 58)). 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

Administrative Professional

This certificate program provides students with foundation skills in basic office procedures, quality document production, communication technology in software and equipment, Internet research, and basic computer skills, all of which are needed for entry-level administrative support positions. Administrative professionals train staff, conduct research, operate and troubleshoot new office technologies, coordinate office administrative activities, and store, retrieve, and integrate information for dissemination to staff and clients.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, the student will be able to create and format written communications choosing the medium for a given scenario.

Required courses:		
BOT 100	Beginning Keyboarding (or Typing Test @ 40 wpm)	1
BOT 102	10-Key	1
BOT 110	Word Processing	3
BOT 113	Basic Office Skills	1
BOT 116	Office Systems and Procedures	3
BOT 117	Management Office Skills	1
CSIT 110	Computer Applications	3
Select at least 7 elective units from the following:		
BOT 101	Advanced Keyboarding	
BOT 299	Occupational Cooperative Work Experience	
BUS 137	Customer Service	
BUS 290	Business Communication	
or BUS 290H	Business Communication (Honors)	
BUS 292	Internship Studies (minimum 1 unit)	
CSIT 115	Intermediate Computer Applications	
CSIT 125	Microsoft Word for Business	
CSIT 134	Microsoft PowerPoint for Business	
CSIT 137	Google Apps for Business	
Total Units		20

Certificate of Achievement

Office Manager

This certificate is designed for individuals who want to assume management functions in a business office. Supervisors perform administrative tasks to ensure their staff can work efficiently. Planning work and supervising staff are the key elements of this job. To do these effectively, the supervisor must know the strengths and weaknesses of each member of the staff as well as the results required from and time allotted to each job. Persons interested in this certificate might include those who have completed the Secretary/Administrative Assistant Certificate of Achievement or a comparable program, those who have at least one year of full-time work experience in an office position, and/or those who intend to pursue an Associate in Arts and/or Bachelor of Science in Business Administration. Students interested in a bachelor's degree should consult the articulation agreement between MiraCosta College and their transfer university for major preparation and general education requirements. Courses in this certificate program are offered on campus and online.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, the student will be able to create an office procedures manual for training of administrative office staff.

Required courses:		
ACCT 101	Practical Accounting	4
or ACCT 201	Financial Accounting	
BOT 100	Beginning Keyboarding (Typing Test @ 40 wpm)	1
BOT 110	Word Processing	3
BOT 116	Office Systems and Procedures	3
BOT 117	Management Office Skills	1
BUS 136	Human Relations in Business	3
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)	
Select three elective units from this list:		3
ACCT 148	Computer Accounting	
BUS 130	Entrepreneurship and Small Business Management	
BUS 137	Customer Service	
BUS 292	Internship Studies (minimum of 1 unit)	
CSIT 110	Computer Applications	
CSIT 125	Microsoft Word for Business	
CSIT 134	Microsoft PowerPoint for Business	
ENGL 100	Composition and Reading	
CSIT 137	Google Apps for Business	
Total Units		24

Certificate of Proficiency

Office Assistant

This certificate is designed for those who wish to obtain an entry-level support position in an office environment. Office assistants

are usually under the supervision of a secretary/administrative assistant or office manager. Job tasks are delegated to an office assistant in specific areas, such as data entry, filing, typing, payroll, mail processing, and copying. This position requires accurate keyboarding speed, computer proficiency, customer service skills, and basic business procedures. Students who complete this certificate may be interested in taking additional courses to earn the Secretary/Administrative Assistant Certificate of Achievement. All of the required courses and most of the elective courses within this certificate are offered online. With good study skills and commitment, a student can complete this certificate in one semester.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, students will be able to create and complete basic office operations such as email, telephone operations, mailing and shipping, and financial operations such as petty cash and payroll.

Required courses:		
BOT 100	Beginning Keyboarding (or Typing Test @ 40 wpm)	1
BOT 102	10-Key	1
BOT 110	Word Processing	3
BOT 113	Basic Office Skills	1
Select 7 elective units from the following:		7
BOT 101	Advanced Keyboarding (or Typing Test @ 40 wpm)	
BOT 116	Office Systems and Procedures	
BOT 117	Management Office Skills	
BOT 299	Occupational Cooperative Work Experience	
BUS 137	Customer Service	
BUS 292	Internship Studies (minimum of 1 unit)	
CSIT 110	Computer Applications	
CSIT 137	Google Apps for Business	
Total Units		13

Courses

BOT 100: Beginning Keyboarding

Units: 1

Prerequisites: None

Lecture 1 hour. (0514.00)

Course Typically Offered: Fall, Spring, and Summer

This beginning keyboarding course focuses on correct finger placement and technique. Students use a guided online software program to learn proper typing posture and finger placement, to practice the alphabetic keyboard, and to accomplish a speed of approximately 25 wpm. Offered pass/no pass only.

BOT 101: Advanced Keyboarding

Units: 1

Prerequisites: None

Advisory: BOT 100 or a current typing speed of at least 25 wpm.

Lecture 1 hour. (0514.00)

Course Typically Offered: Fall, Spring

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.

BOT 102: 10-Key

Units: 1

Prerequisites: None

Lecture 1 hour. (0514.00)

Course Typically Offered: Fall, Spring

This course is for those who wish to learn the numeric ten-key pad. Students use a guided software program to practice skillbuilding drills and techniques to increase keyboarding speed and accuracy. Offered pass/no pass only.

BOT 110: Word Processing

Units: 3

Prerequisites: None

Advisory: BOT 100 or a current typing speed of at least 25 wpm.

Lecture 3 hours. (0514.00)

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.

BOT 113: Basic Office Skills

Units: 1

Prerequisites: None

Lecture 1 hour. (0514.00)

Course Typically Offered: Fall, Spring

This course emphasizes practical applications needed for working in a business office. It includes information and practice with business communication, telephone techniques, filing, proofreading, office equipment, mailing procedures, conflict resolution, and teamwork. Assignments also include business etiquette, people skills and teamwork applications, relationships at work, and scenarios

BOT 116: Office Systems and Procedures

Units: 3
 Prerequisites: None
 Advisory: BOT 100, BOT 110, or CSIT 110.
 Lecture 3 hours. (0514.00)
 Course Typically Offered: Fall, Spring

This course provides the administrative skills and knowledge needed to be successful in the twenty-first century workplace environment of changing technology and procedures. Students simulate the daily tasks of an administrative assistant working for a multinational corporation's chief operating officer. Assignments include tasks using computer applications, office procedures, conflict resolution, time management, meeting and conference planning, office ethics, personal development and growth, office protocol, and other pertinent topics.

BOT 117: Management Office Skills

Units: 1
 Prerequisites: None
 Lecture 1 hour. (0514.00)
 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.

BOT 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

BOT 298: Directed Study in Business Office Technology

Units: 1-3
 Prerequisites: None
 Laboratory 3 hours
 Laboratory 6 hours
 Laboratory 9 hours. (0514.00)
 Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

BOT 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.

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,

Areas of Study & Courses

organizing successful job searches, and developing effective workplace behaviors and attitudes.

Contact Information

Chair: Donna Davis

Dean: Al Taccone

www.miracosta.edu/careers

Department: Career Studies & Services

Office: Building OC4700,
760.795.6772

Full-Time Faculty

Robbi Rosen

Courses

CRLP 101: Introduction to Career Planning

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour. (4930.12)

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 options. Topics include career research, decision-making styles, and job search strategies. The course emphasizes the process for actively managing one's own career. Offered pass/no pass only.

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.

Contact Information

Chair: Theresa Bolaños

Dean: Michael Fino

www.miracosta.edu/CHEM

Department: Chemistry

Office: OC 3600, 760.757.2121
x6924

Full-Time Faculty

Kristine Arquero

Theresa Bolaños

Pierre Goueth

Nancy Lee

Kent McCorkle

Thong Nguyen

Linda Woods

Mark Yeager

Courses

CHEM 100: Introductory Chemistry

Units: 4

Prerequisites: None

Advisory: MATH 30 or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in CHEM 100H, CHEM 108, CHEM 110, or CHEM 110H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours. (1905.00)

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 100/CHEM 100H or CHEM 108. No credit if taken after CHEM 110/CHEM 110H.

CHEM 100H: Introductory Chemistry (Honors)

Units: 4

Prerequisites: None

Advisory: MATH 30 or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in CHEM 100, CHEM 108, CHEM 110, or CHEM 110H.

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 3 hours. (1905.00)

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 100/CHEM 100H or CHEM 108. No credit if taken after CHEM 110/CHEM 110H.

CHEM 102: Introduction to Organic and Biological Chemistry

Units: 4

Prerequisites: CHEM 100, CHEM 100H, or CHEM 108.

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. (1905.00)

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 104: Chemistry of Living Things (Introduction to General, Organic, and Biochemistry)

Units: 5

Prerequisites: None

Advisory: MATH 20.

Enrollment Limitation: Not open to students with prior credit in CHEM 102.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours. (1905.00)

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 102.

CHEM 108: Preparatory Chemistry

Units: 4

Prerequisites: MATH 64 or eligibility determined by the math placement process.

Enrollment Limitation: Concurrent enrollment in MATH 64 if prerequisite not met. Not open to students with prior credit in CHEM 110 or CHEM 110H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours. (1905.00)

Course Typically Offered: Fall, Spring, and Summer

This introductory chemistry course focuses on developing problem-solving skills needed for success in CHEM 110. 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 100/CHEM 100H or CHEM 108; No credit if taken after CHEM 110/CHEM 110H.

CHEM 110: General Chemistry

Units: 5

Prerequisites: CHEM 108, one year of high school chemistry, or qualification through a chemistry placement exam; MATH 64 or eligibility determined by the math placement process.

Advisory: CHEM 108 strongly recommended if it has been four or more years since chemistry course.

Enrollment Limitation: Not open to students with prior credit in CHEM 110H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours. (1905.00)

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 110 or CHEM 110H. C-ID CHEM-110 and C-ID CHEM-120S.

CHEM 110H: General Chemistry (Honors)

Units: 5

Prerequisites: CHEM 108, one year of high school chemistry, or qualification through a chemistry placement exam; MATH 64 or eligibility determined by the math placement process.

Advisory: CHEM 108 strongly recommended if it has been four or more years since chemistry course.

Enrollment Limitation: Not open to students with prior credit in CHEM 110.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours. (1905.00)

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 110 or CHEM 110H. C-ID CHEM-110 and C-ID CHEM-120S.

CHEM 111: General Chemistry

Units: 5

Prerequisites: CHEM 110 or CHEM 110H.

Enrollment Limitation: Not open to students with prior credit in CHEM 111H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours. (1905.00)

Course Typically Offered: Fall, Spring, and Summer

This continuation of Chemistry 110 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 organic 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 111 or CHEM 111H. C-ID CHEM-120S.

CHEM 111H: General Chemistry (Honors)

Units: 5

Prerequisites: CHEM 110 or CHEM 110H.

Enrollment Limitation: Not open to students with prior credit in CHEM 111.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours. (1905.00)

Course Typically Offered: Fall, Spring

This continuation of Chemistry 110 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 organic 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 111 or CHEM 111H. C-ID CHEM-120S.

CHEM 210: Organic Chemistry I

Units: 5

Prerequisites: CHEM 111 or CHEM 111H.

Enrollment Limitation: Not open to students with prior credit in CHEM 210H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours. (1905.00)

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. C-ID CHEM-160S.

CHEM 210H: Organic Chemistry I (Honors)

Units: 5

Prerequisites: CHEM 111 or CHEM 111H.

Enrollment Limitation: Not open to students with prior credit in CHEM 210.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 6 hours. (1905.00)

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.

CHEM 211: Organic Chemistry II

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. (1905.00)

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. UC CREDIT LIMITATION: Credit for CHEM 211 or CHEM 211H. C-ID CHEM-160S.

CHEM 211H: Organic Chemistry II (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

Lecture 3 hours, laboratory 6 hours. (1905.00)

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.

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.

CHEM 298: Directed Study in Chemistry

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1905.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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.

Contact Information

Chair: Penny Skemp

Dean: Al Taccone

www.miracosta.edu/CHLD

Department: Child Development

Office: Building OC4800, 760.795.6811

Full-Time Faculty

Claudia Flores

Linda Haar

Penny Skemp

Mark Whitney



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. 58)). 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

Early Childhood Education for Transfer

The Associate in Science in Early Childhood Education for Transfer provides a clearly articulated curricular path for students who wish to transfer to a California State University (CSU) campus, while also serving as a strong foundation for students who want to teach in an early childhood program. This program provides students with general knowledge and an

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understanding of theories and children's development in the context of family and culture, as well as specific skills in planning curriculum and observing and successfully working with young children.

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 60 semester (90 quarter) CSU transferable units
- ▶ Complete all courses required in the major with a "C" or better
- ▶ Complete the CSU-GE or CSU-IGETC* general education pattern
- ▶ Achieve a minimum CSU transferable GPA of 2.0
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

*Students completing UC-IGETC may be awarded the degree, but they will not meet CSU admission requirements.

Program 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	Programs and Curriculum in Early Childhood Education	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 CSU-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.

Certificates



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 course work 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	Programs and Curriculum in Early Childhood Education	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	Parent/Teacher Partnerships	
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	Programs and Curriculum in Early Childhood Education	3
CHLD 109	Child Behavior and Guidance	3
CHLD 205	Health, Safety, and Nutrition	3
CHLD 230	Parent/Teacher Partnerships	3
CHLD 240	Children with Special Learning Needs	3
CHLD 270	Practicum - The Student Teaching Experience	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 210	Child, Family, and Community	3
Total Units		27

**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	Programs and Curriculum in Early Childhood Education	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	Parent/Teacher Partnerships	
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

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	Programs and Curriculum in Early Childhood Education	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	Parent/Teacher Partnerships	
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

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	Programs and Curriculum in Early Childhood Education	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	Parent/Teacher Partnerships	
CHLD 235	Children in a Diverse Society	
CHLD 240	Children with Special Learning Needs	
Total Units		36

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	Programs and Curriculum in Early Childhood Education	
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: Programs and Curriculum in Early Childhood Education

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1305.80)

Course Typically Offered: Fall, Spring, and Summer

This course examines the theories and principles of developmentally appropriate practice in early childhood programs and environments. It emphasizes relationships, constructive adult-child interactions, curriculum models, and program planning with effective teaching strategies. Topics include the historical roots of early childhood programs and the evolution of professional practices promoting advocacy, ethics, and professional identity. C-ID ECE-120.

CHLD 106: Introduction to Curriculum in Early Childhood

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1305.00)

Course Typically Offered: Fall, Spring, and Summer

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. (1305.00)

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. (1305.90)

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, birth 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, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1305.00)

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

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1305.00)

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. (1305.00)

Course Typically Offered: Fall, Spring

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. (1305.00)

Course Typically Offered: Fall, Spring

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. (1305.00)

Course Typically Offered: Spring, Summer

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. (1305.00)

Course Typically Offered: Fall, 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. (1305.00)

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. (1305.00)

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.

Enrollment Limitation: Not open to students with prior credit in SOC 210.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1305.00)

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. (1305.90)

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 and facilitating learning and development with infants and toddlers as well as 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 Program Guidelines and Curriculum Framework, and it can be combined with CHLD 111 as an area of specialization for the Master Teacher Permit/Certificate.

CHLD 230: Parent/Teacher Partnerships

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1305.00)

Course Typically Offered: Fall, Summer

This course examines the role of preschool teachers and administrators in establishing effective partnerships with parents in the school setting. Students develop skills and techniques in parent-teacher conferencing, home-school communication, parent education, group contacts with parents, and parent involvement in early childhood education. Topics include parenting styles, cultural and developmental diversity, family dynamics, and 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. (1305.00)

Course Typically Offered: Fall or 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. (1305.20)

Course Typically Offered: Fall, Spring

This course focuses on learning to work with children with disabilities, challenging behaviors, and other special learning needs in inclusive early childhood settings. Topics include how individual child needs are assessed, how they impact families, and how programming and curriculum can be adapted 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. (1305.80)

Course Typically Offered: Spring

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. (1305.80)

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. (1305.80)

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. (1305.80)

Course Typically Offered: Spring

Teachers of young children apply developmentally appropriate early childhood teaching competencies under guided supervision in the campus Child Development Center or with a designated mentor teacher 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: Fall, Spring, and Summer

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. (1305.00)

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 298: Directed Study in Child Development

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1305.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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: Fall, Spring, and Summer

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.

Chinese



The International Languages Department offers courses that provide the foundation for Chinese 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 Chinese 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 the courses described below.

Contact Information

Chair: Pilar Hernández
Dean: Jonathan Fohrman
www.miracosta.edu/CHNS

Department: International Languages
Office: Building OC4700,
760.795.6844

Courses

CHNS 101: Elementary Chinese (First Semester)

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in CHNS 102 or CHNS 201.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (1107.00)

Course Typically Offered: Fall, Spring

This course introduces contemporary Chinese and emphasizes the development of oral proficiency (listening and speaking). Topics include basic pronunciation, vocabulary, grammar, and reading and writing systems as well as the history, geography, and culture of Chinese-speaking societies. This course corresponds to the first two years of high school Chinese.

CHNS 102: Elementary Chinese (Second Semester)

Units: 4

Prerequisites: CHNS 101 or two years of high school Chinese with a C or better.

Enrollment Limitation: Not open to students with prior credit in CHNS 201.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (1107.00)

Course Typically Offered: Spring

This course continues to develop Chinese language acquisition through listening, speaking, reading, and writing. It reviews (recycles) first semester Chinese vocabulary and grammar, and it develops the student's ability to read, interpret, and discuss Chinese-language narratives about cultural aspects of the Chinese-speaking world. This course corresponds to the third year of high school Chinese.

CHNS 121: Introduction to Chinese Culture

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1107.00)

Course Typically Offered: Summer

This course introduces students to various aspects of the Chinese culture and civilization. Areas of study include history, music, literature, philosophy, political ideas, customs, and China's influence on and contribution to the civilization of America and the world. The course does not require prior study of the Chinese language or culture.

CHNS 201: Intermediate Chinese (Third Semester)

Units: 4

Prerequisites: CHNS 102 or third year of high school Chinese with a C or better.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (1107.00)

Course Typically Offered: Fall odd years

This course continues to develop Chinese language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in CHNS 101 and CHNS 102, and it develops the student's ability to engage in casual conversation, express opinions, and make suggestions in Chinese. The course also provides an increased awareness of the Chinese-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 Chinese.

CHNS 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.

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.

Contact Information

Chair: Eric Robertson
Dean: Dana Smith
 www.miracosta.edu/COMM

Department: Communication Studies
Office: Administration Building, San Elijo Campus, 760.634.7879

Full-Time Faculty

Sam Arenivar
 Leola McClure
 Anthony Ongyod
 Eric Robertson

Associate Degree

Associate in Arts Degree

Associate in Arts in Communication Studies for Transfer Degree

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 60 semester (90 quarter) CSU transferable units
- ▶ Complete all courses required in the major with a "C" or better
- ▶ Complete the CSU-GE or CSU-IGETC* general education pattern
- ▶ Achieve a minimum CSU transferable GPA of 2.0
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

*Students completing UC-IGETC may be awarded the degree, but they will not 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.
- ▶ Upon completion of this program, the student will understand the relevance of the theories and methods of communication.
- ▶ Upon completion of this program, the student will 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	Oral Interpretation of Literature *	
COMM 120	Principles of Human Communication *, **	
COMM 215	Intercultural Communication *	
COMM 220	Introduction to Mass Communication *	
List C: 3-4 Units. Select one course.		3-4
Any course from List A or B not already used.		
ANTH 102	Cultural Anthropology *	
	or ANTH 102H Cultural Anthropology (Honors)	
COMM 135	Gender Studies in Communication *	
DRAM 110	Voice and Diction	
ENGL 202	Critical Thinking and Composition *	
LIT 120	Introduction to Literature *	
PSYC 100	Psychology of Personal Growth *	
PSYC 101	General Psychology *	
	or PSYC 101H General Psychology (Honors)	
PSYC/SOC 104	Statistics for Behavioral Science *, **	
	or PSYC/SOC 104H Statistics for Behavioral Science (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 CSU-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

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1506.00)

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

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1506.00)

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: Oral Interpretation of Literature

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in DRAM 111.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1506.00)

Course Typically Offered: Fall or Spring

This course introduces the oral interpretation and analysis of literary works of art in their intellectual, emotional, and aesthetic forms. Class readings include prose, poetry, and drama. Students develop vocal and physical expressiveness, variety, and flexibility through oral presentations of literature. C-ID COMM-170.

COMM 120: Principles of Human Communication

Units: 3

Prerequisites: None

Advisory: ENGL 100.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1506.00)

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. (1506.00)

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

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1506.00)

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. (1506.00)

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.
 Acceptable for Credit: CSU, UC
 Lecture 3 hours. (1506.00)
 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. (1506.00)
 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. (1506.00)
 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

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 Science



Computer science is the study of computers and their applications. This discipline includes a variety of specialties, such as 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 architecture. Computer science majors will also need two or three semesters

Areas of Study & Courses

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)

Contact Information

Chair: June Porto
Dean: Al Taccone
www.miracosta.edu/CS

Department: Computer Science
Office: Building OC4800,
 760.795.6811

Full-Time Faculty

Nery Chapeton-Lamas
 June Porto

Associate Degrees

Associate in Arts Degree

Computer Programming Fundamentals

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. 58)). 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.

Certificate

Certificate of Achievement

Computer Programming Fundamentals

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 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.

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 151	Advanced C++ Programming	3
CS 220	Computer Architecture and Assembly Language	3
Select at least 6 elective units from the following:		6
CS 107	Introduction to Object-Oriented Programming	
CS 130	Fundamentals of Scripting Languages	
CS 134	Mobile Device Application Development	
CS 138	Programming with Python	
CS 155	C# and the .NET Framework	
MATH 226	Discrete Mathematics	
Total Units		24

Courses

CS 107: Introduction to Object-Oriented Programming

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (0707.10)

Course Typically Offered: Fall

In this introductory computer programming course, students use pre-built objects to create animated storyboards in 3-D virtual worlds while learning the concepts of object-oriented programming (OOP). Using two abstracted high-level languages, such as Alice and Java, students experiment with drag-and-drop coding (Alice) and write code (Java). This course is highly recommended for beginning programming students prior to taking a code-writing class, such as Java or C++. UC CREDIT LIMITATION: No credit if taken after CS 111.

CS 111: Introduction to Computer Science I: Java

Units: 3

Prerequisites: None

Advisory: MATH 64.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (0707.10)

Course Typically Offered: Fall, Spring, and Summer

This course introduces computer science and programming using an object-oriented language. It is designed primarily for students majoring in computer science and engineering. The course explores 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.

CS 112: Introduction to Computer Science II: Java

Units: 3

Prerequisites: CS 111.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (0707.10)

Course Typically Offered: Fall, Spring

This course develops advanced object-oriented programming concepts and refines the perceptions of inheritance, polymorphism, and encapsulation. Topics include various data structures and their usage, recursion, modularity and abstraction, including generics, event-driven programming, graphical user interfaces, applets, 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. (0707.10)

Course Typically Offered: Fall, Spring

This course introduces the software development process using efficient algorithms and properly designed data structures to develop effective solutions to common programming problems. Topics include searching, sorting, hashing, algorithm analysis, object-oriented design, collections, lists, stacks, queues, trees, sets, dictionaries, and graphs.

CS 130: Fundamentals of Scripting Languages

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0707.10)

Course Typically Offered: Fall, 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 Device Application Development

Units: 3

Prerequisites: CS 112.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0707.10)

Course Typically Offered: Spring

This course covers the essential steps of writing applications for a mobile device. Discussions include the application life-cycle, the necessary source and resources files as well as performance criteria and objectives. At the end of the course, students will be able to create basic applications for a specified mobile device. This course is designed for students who have little or no experience programming mobile devices but have some experience with Java and/or C++.

CS 138: Programming with Python

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (0707.10)

Course Typically Offered: Fall

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.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (0707.10)

Course Typically Offered: Fall, Spring

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++.

CS 151: Advanced C++ Programming

Units: 3

Prerequisites: CS 150.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (0707.10)

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, advanced file input/output operations, recursion, virtual functions, exception handling, and data structures, such as linked lists, stacks, queues, and binary trees.

CS 155: C# and the .NET Framework

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0707.10)

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 220: Computer Architecture and Assembly Language

Units: 3

Prerequisites: CS 112.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (0707.10)

Course Typically Offered: Spring

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.

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 and technical education.

Composed of curriculum focused in the areas of 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 education courses covering social and ethical issues related to technology.

Among the career options available through certificate attainment or transfer and bachelor's degree achievement include computer applications professional, computer desktop support specialist, information technology specialist, business information systems analyst, e-commerce specialist, and network administrator. Certain computer application and networking courses provide preparatory training for various professional industry certifications from Microsoft, CompTIA, and Red Hat.

Contact Information

Chair: Steve Isachsen (Fall 2017)

Dean: Al Taccone
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computerstudies

Department: Computer Studies & Information Technology

Office: Building OC4800,
760.795.6811

Full-Time Faculty

Rick Cassoni
Steve Isachsen

Associate Degrees



Associate in Arts Degrees Computer Applications Professional for Business Computer Studies Network and Desktop Systems Administration

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. 58)). 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

Certified Computer Desktop Support Specialist

This certificate is designed to meet the demand in industry for individuals trained to support desktop computer users. Training includes support for application software, operating systems, local area networks, desktop support, and customer service. Individuals can successfully answer, or escalate, calls and inquiries from end users and may seek employment as a help desk technician, customer support representative, computer support specialist, technical support representative, and technical support specialist. In addition, certificate completion helps prepare individuals for the Microsoft Certified Desktop Support Technician (MCDST) certification exams.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, the student will be able to successfully support application software, operating systems, local area networks, and desktops within the context of a professional customer service environment.

Required courses:

BUS 137	Customer Service	3
CSIT 110	Computer Applications	3
CSIT 149	Microsoft Windows	3
CSIT 170	Fundamentals of Computer Hardware and Software	4
CSIT 171	Fundamentals of Computer Networks and Security	4
CSIT 173	Desktop Support	4
Select at least 3 elective units from the following courses:		3
BUS 290 or BUS 290H	Business Communication Business Communication (Honors)	
CS 107	Introduction to Object-Oriented Programming	
CSIT 115	Intermediate Computer Applications	
CSIT 123	Introduction to Applied Data Analytics	
CSIT 137	Google Apps for Business	
CSIT 146	E-Commerce and Web Presence	

CSIT 155	Social Media for Business	
Total Units		24

Certificate of Achievement

Computer Applications Professional for Business

This certificate is designed to meet demand in the business community for individuals who are trained in the professional-level use of computers and business productivity computer applications. Specific areas of emphasis include word processing, spreadsheets, database management, electronic presentations, digital imaging, Windows, and Internet applications. Learning to use, integrate, and collaborate effectively with these powerful business productivity tools is essential for those preparing for jobs or wishing to advance in their current job in today's technological workplace.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, the student will be able to successfully use a range of business productivity computer 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	Computer Studies Portfolio Development	1
MAT 110	Digital Imaging 1: Adobe Photoshop	3
Select at least 6 elective units from the following courses:		6
BUS 120	Introduction to Business	
BUS 133	Project Management	
CRLP 101	Introduction to Career Planning	
CSIT 100	Computer Basics I	
CSIT 105	Computer Basics II	
CSIT 110	Computer Applications	
CSIT 115	Intermediate Computer Applications	
CSIT 155	Social Media for Business	
CSIT 160	Technology, the Individual, and Society	
CSIT 165	Living in an Online World	
MAT 125	Web Design 1: Fundamentals	
MAT 150	Animation and Interactivity	
MAT 170	Digital Illustration 1: Adobe Illustrator	
MAT 180	Digital Publishing: Adobe InDesign	
Total Units		28

Certificate of Achievement

Computer Studies

This certificate provides students with a broad foundation in computer theory and skills. These courses expose students to a wide range of fundamentals across each of the Computer Studies Department's disciplines. Completing this certificate will prepare individuals to launch or further advance their careers

as computer, information technology, or related professionals in a variety of industry sectors.

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 theory and skills in the areas of computers and information technology.

Required courses:		
CS 107	Introduction to Object-Oriented Programming	3
CSIT 110	Computer Applications	3
CSIT 120	Fundamentals of Computer Information Systems	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 146	E-Commerce and Web Presence	
or CSIT 149	Microsoft Windows	
CSIT 155	Social Media for Business	3
CSIT 160	Technology, the Individual, and Society	3
CSIT 165	Living in an Online World	3
or CSIT 123	Introduction to Applied Data Analytics	
CSIT 171	Fundamentals of Computer Networks and Security	4
CSIT 195	Computer Studies Portfolio Development	1
Total Units		26

Certificate of Achievement



E-Commerce

The E-Commerce Certificate is designed for individuals interested in exploring the process of conducting business on the Internet and related design and technical considerations. Students are advised to enroll in CSIT 146 prior to selecting electives.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, the student will be able to successfully perform the basic tasks associated with analysis, creation, evaluation, and maintenance of an e-business and/or Web presence.

Required courses:		
CSIT 120	Fundamentals of Computer Information Systems	3
CSIT 146	E-Commerce and Web Presence	3
MAT 125	Web Design 1: Fundamentals	3
MAT 165	Web Design 2: Tools and Techniques	3
BUS 132	Marketing	3
Select courses from below for a minimum of 6 units:		6-8
CSIT 155	Social Media for Business	
CSIT 171	Fundamentals of Computer Networks and Security	
CSIT 174	TCP/IP and Network Infrastructure	
MAT 225	Web Design: PHP and WordPress	
MAT 235	Web Design 3: UX and UI Design and Production	
Total Units		21-23

Certificate of Achievement

Microsoft Certified Application Specialist for Business

The Microsoft Certified Application Specialist for Business certificate is designed for individuals who will work or currently work in a business setting using Microsoft Office business productivity applications as a vital part of their job functions. This certificate will enhance career prospects in a competitive job market by enabling the student to demonstrate proficiency (based on globally recognized Microsoft standards) in the world's foremost desktop computing applications for business. Each course in this certificate offers a comprehensive overview, starting with fundamentals and finishing with advanced features. In addition, certificate completion helps prepare individuals for the Microsoft Certified Application Specialist certification exams.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, the student will be able to use Microsoft Word, Excel, Access, and PowerPoint at a comprehensive level to solve problems in a business environment.

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 Achievement

Network and Desktop Systems Administration

This certificate is designed to meet the demand in the business community for individuals trained in computer networking,

network administration, Enterprise networking, and Internet or intranet administration.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, the student will be able to successfully perform the basic tasks associated with the administration of servers, networks, and desktop computers.

Required courses:		
CSIT 171	Fundamentals of Computer Networks and Security	4
CSIT 172	Windows Networking Environment	4
CSIT 173	Desktop Support	4
CSIT 174	TCP/IP and Network Infrastructure	4
Select one course from below:		4
CSIT 175	Linux Networking Environment	
CSIT 178	Network and Mobile Device Security	
Total Units		20

Certificate of Proficiency

Computer Applications User

This certificate is designed to provide individuals with basic computer applications skills and techniques for jobs in any industry. Together, these courses provide a foundation for working with computer applications to perform essential job functions proficiently.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, students will be able to work with basic computer applications to perform essential job functions proficiently.

Required courses:		
CSIT 110	Computer Applications	3
CSIT 115	Intermediate Computer Applications	3
Select at least 3 elective units from the following courses:		3
CSIT 100	Computer Basics I	
CSIT 105	Computer Basics II	
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 149	Microsoft Windows	
CSIT 155	Social Media for Business	
MAT 110	Digital Imaging 1: Adobe Photoshop	
MAT 150	Animation and Interactivity	
Total Units		9

Certificate of Proficiency

Computer Competencies for the Workplace

This certificate is designed for those who need foundation computer competencies for entry-level jobs in the workplace or for those who are transitioning to a computer-based work environment. The skills and competencies practiced in this certificate will provide computer knowledge and hands-on

workplace experiences using computer application software and hardware.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, students will be able use the computer effectively at the entry job level.

Required courses:		
BOT 100	Beginning Keyboarding	1
CSIT 110	Computer Applications	3
CSIT 120	Fundamentals of Computer Information Systems	3
CSIT 137	Google Apps for Business	3
Select at least 5 elective units from the following courses:		5
BOT 102	10-Key	
BOT 110	Word Processing	
BOT 113	Basic Office Skills	
CSIT 100	Computer Basics I	
CSIT 105	Computer Basics II	
CSIT 146	E-Commerce and Web Presence	
Total Units		15

Certificate of Proficiency

Emerging Technologies in Computer Studies

This certificate provides students with the opportunity to explore emerging technologies in computer studies to enhance their future or current work perspectives. Emphasis is placed on the changing landscape of computers, information, and technology and understanding how trends in these areas may impact current and future business and industry.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, students will be able to demonstrate how emerging computer technologies impact current and future business and industry.

Required courses:		
CSIT 137	Google Apps for Business	3
CSIT 155	Social Media for Business	3
CSIT 160	Technology, the Individual, and Society	3
CSIT 165	Living in an Online World	3
or CSIT 123	Introduction to Applied Data Analytics	
Total Units		12

Courses

CSIT 100: Computer Basics I

Units: 1.5
 Prerequisites: None
 Acceptable for Credit: CSU
 Lecture 1.50 hours. (0701.00)
 Course Typically Offered: Fall, Spring

This first in a two-course sequence 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, browsing and searching the Web, sending and receiving email, and academic computing course management systems, such as Blackboard. Upon successful completion of the course, students will be prepared for CSIT 105, Computer Basics II.

CSIT 105: Computer Basics II

Units: 1.5
 Prerequisites: None
 Advisory: CSIT 100.
 Acceptable for Credit: CSU
 Lecture 1.50 hours. (0701.00)
 Course Typically Offered: Fall, Spring

This second in a two-course sequence is intended for students wishing to develop or strengthen their basic computer skills. Picking up where CSIT 100 leaves off, this course includes new and expanded study in the areas of basic computer techniques and literacy in computer concepts. Topics include Windows, hierarchical file and folder management, multitasking, word processing, safe and ethical Internet practices, email, spreadsheet creation, computer maintenance, security, and purchasing a computer.

CSIT 110: Computer Applications

Units: 3
 Prerequisites: None
 Advisory: CSIT 105.
 Acceptable for Credit: CSU, UC
 Lecture 3 hours. (0702.10)
 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 115: Intermediate Computer Applications

Units: 3

Prerequisites: CSIT 110.

Acceptable for Credit: CSU

Lecture 3 hours. (0702.10)

Course Typically Offered: Spring

Picking up where CSIT 110 leaves off, this course features the use and integration of computer applications at the intermediate level. Topics include further development of concepts, skills, and techniques in word processing, spreadsheet, presentation, and database applications.

CSIT 120: Fundamentals of Computer Information Systems

Units: 3

Prerequisites: None

Advisory: CSIT 110.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (0701.00)

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 CSIT120. C-ID ITIS-120 and C-ID BUS-140.

CSIT 123: Introduction to Applied Data Analytics

Units: 3

Prerequisites: MATH 64 or eligibility determined by the math placement process.

Advisory: CSIT 110.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (0701.00)

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. Visual analysis tools, such as the use of graphs, charts, and computerized spreadsheets, are emphasized. 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 105.

Acceptable for Credit: CSU

Lecture 3 hours. (0702.10)

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 105.

Acceptable for Credit: CSU

Lecture 3 hours. (0702.10)

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 105.

Acceptable for Credit: CSU

Lecture 3 hours. (0702.10)

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 105.

Acceptable for Credit: CSU

Lecture 3 hours. (0702.10)

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 105.

Acceptable for Credit: CSU

Lecture 3 hours. (0702.10)

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

Acceptable for Credit: CSU

Lecture 3 hours. (0709.10)

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

Acceptable for Credit: CSU

Lecture 3 hours. (0702.10)

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 105.

Acceptable for Credit: CSU

Lecture 3 hours. (0702.10)

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. (0701.00)

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, students explore 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. (0701.00)

Course Typically Offered: To be arranged

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 170: Fundamentals of Computer Hardware and Software

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 4 hours. (0708.00)

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 prepares students for both CompTIA A+ Certification examinations (901 and 902).

CSIT 171: Fundamentals of Computer Networks and Security

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 4 hours. (0708.00)

Course Typically Offered: Fall, Spring

This course presents an overview and introduction to computer networking components, network design, operation, protocols, network operating systems, and computer and network security. Students learn the fundamentals of configuring and using secure network resources, such as file servers, printers, e-mail, the Internet, and networked applications. This course prepares students for the CompTIA Network+ and Security+ certification exams.

CSIT 172: Windows Networking Environment

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in CIS 188 and CIS 200.

Acceptable for Credit: CSU

Lecture 4 hours. (0708.00)

Course Typically Offered: Fall, Spring

This course provides students with a broad understanding of Microsoft Windows Server and prepares them for network server administration and Windows certification exams. The course focuses on administrative tasks; operating-system selection, installation, and configuration; Active Directory design and implementation; user management; group policy; printers; network services, especially Domain Name System (DNS); and system security, monitoring, and optimization. Students develop skill and apply their knowledge through hands-on projects and case-study assignments.

CSIT 173: Desktop Support

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 4 hours. (0708.00)

Course Typically Offered: Fall, Spring

This course prepares students to support desktop users. It covers desktop operating system and computer implementation and support and emphasizes workstation integration in the network environment. Topics include installation and upgrades, configuration, management, operation, optimization, and troubleshooting of desktop operating systems and applications. Students diagnose problems in connectivity, manage security settings, troubleshoot hardware and software issues, and optimize system performance.

CSIT 174: TCP/IP and Network Infrastructure

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 4 hours. (0708.00)

Course Typically Offered: Fall, Spring

This course introduces students to the theory and application of the Transmission Control Protocol/Internet Protocol (TCP/IP) upon which the Internet is based. Students learn the layered functions of the TCP/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. Students install, configure, manage, and troubleshoot network servers and services in a domain environment. The course emphasizes directory service and domain name system (DNS) administration.

CSIT 175: Linux Networking Environment

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 4 hours. (0708.00)

Course Typically Offered: Fall, Spring

This course covers the installation, configuration, management, and troubleshooting of the Linux operating system. It includes basic topics related to the administration of Linux systems, basic scripting, system performance and tuning, troubleshooting, system security, package installation and removal, logging, scheduling, and Linux tools. The course also introduces Web servers, mail servers, and internetworking with other network-operating systems.

CSIT 178: Network and Mobile Device Security

Units: 4

Prerequisites: None

Acceptable for Credit: CSU

Lecture 4 hours. (0702.00)

Course Typically Offered: Fall, Spring

This course presents an overview of network and mobile device security. Topics include network infrastructure, network traffic analysis, intrusion detection, malware, mobile devices and their impact, network attacks and defenses, incident response, forensics, site audits and penetration testing, and network hardening. This course helps prepare students for the CompTIA Mobility+ certification exam.

CSIT 195: Computer Studies Portfolio Development

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour. (0702.00)

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 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. (1701.00)

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 298: Directed Study in Computer Studies and Information Technology

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (0701.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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

Chair: Wendy Horton

Dean: Wendy Stewart

www.miracosta.edu/COUN

Department: Counseling

Office: Building OC3700,

760.795.6670

Full-Time Faculty

Adrean Askerneese

Larry Burns

Nancy Steffens Diaz

Arti Dua

Karina Duarte-Braunstein

Michelle Farnam

Lise Flocken

Hilda Gomez-Zinn

Laura Hayek

Wendy Horton

Melissa Hughes

Luke Lara

Sinar Lomeli

Rebecca Morgan

Nick Mortaloni

Donald Munshower

Candelaria Owens

Oswaldo Ramirez

Soraya Sandoval

Nancy Klump Schaefer

Jed Schlueter

Cynthia Vasquez Gonzales

Constance Wilbur

Kristi Wish

Afifa Zaman

Magdalena Zepeda

Courses

COUN 45: Math Success Strategies

Units: 1

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in COUN 103.

Lecture 1 hour. (1702.00)

Course Typically Offered: Fall, Spring

This course is designed to be taken with a basic math course, such as MATH 20, 28, 30, 64, or 95. The course emphasizes the exploration and application of proven math specific study techniques, test-taking strategies, and math anxiety-reducing practices for successful completion of basic math classes. As a secondary emphasis, the course examines how to improve math-specific performance through goal setting. Taking this course simultaneously with a basic math course allows for meaningful practice and mastery of material taught in both courses. (Formerly COUN 103)

COUN 100: College and Career Success

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in CRLP 100 or COUN 110.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (4930.12)

Course Typically Offered: Fall, Spring, and Summer

This course teaches success strategies to enhance academic and lifelong learning while integrating career and academic planning. Students learn self-management strategies such as time, money, and stress. They complete career assessments to explore interests, personality, learning style, transferable skills, and values as they relate to academic major and career options. Students are provided tools and resources to enhance their educational and career success. The course emphasizes taking responsibility for one's education, career, and personal decisions to set goals and achieve satisfaction through work and life balance. UC CREDIT LIMITATION: Credit for COUN 100, COUN 105, COUN 110, CRLP 100, or INTR 100.

Areas of Study & Courses

COUN 101: Orientation to College

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour. (4930.13)

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 year 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. (4930.13)

Course Typically Offered: Fall, Spring, and Summer

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, COUN 110, CRLP 100, 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: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (4930.13)

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 to prepare for a major, to fulfill general education requirements, and for personal and professional enrichment. The department offers performance opportunities to both majors and non-majors. Career options include professional performance or choreography, dance studio or company management, child development, dance therapy, movement analysis, dance ethnology, dance criticism, dance science, academic research, and teaching.

Contact Information

Chair: Trisha Hanada-Rogers **Department:** Dance
Dean: Jonathan Fohrman **Office:** Building OC4700,
 www.miracosta.edu/DNCE 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. Students should meet with a MiraCosta College counselor to identify required courses and to develop a written plan for their targeted university.

Program Student Learning Outcome Statement:

- Upon completion of this program, the student will be able to explain how dance, as a non-verbal art form, is a valuable, integral and enriching part of the human society.

- Upon completion of this program, the student will be able to demonstrate technical proficiency and artistic expression in at least one dance genre or style.

Required courses:		
DNCE 100	Dance Appreciation	3
or DNCE 100H	Dance Appreciation (Honors)	
or DNCE 101	Dance History	
or DNCE 104	Dance on Film	
or DNCE 105	Dance Cultures of the World	
DNCE 154	Ballet II	1.5
DNCE 168	Jazz Dance II	1.5
DNCE 178	Modern Dance II	1.5
DNCE 185	Choreography I	3
Select 8.5 units from the following list of courses:		8.5
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 152	Ballet I	
DNCE 154	Ballet II	
DNCE 157	Pilates Apparatus I	
DNCE 159	Pilates Mat Work I	
DNCE 166	Jazz Dance I	
DNCE 168	Jazz Dance II	
DNCE 266	Jazz Dance III	
DNCE 268	Jazz Dance IV	
DNCE 176	Modern Dance I	
DNCE 178	Modern Dance II	
DNCE 191	Tap Dance I	
DNCE 193	Tap Dance II	
DNCE 254	Contemporary Dance I	
DNCE 256	Contemporary Dance II	
DNCE 169	Introduction to World Dance Forms	
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 183	Commercial Dance	
DNCE 121	Hip Hop I	
DNCE 122	Hip hop II	
DNCE 186	Choreography II	
DNCE 288	Dance Pedagogy	
Select 3 units from the following courses:		3
DNCE 179	Musical Theatre Dance	
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	
Total Units		22

Certificates

Certificate of Achievement

Dance Instructor

The Dance Instructor certificate prepares dancers to teach in private studios, recreational facilities, or community dance programs. Students study theory and technique courses in dance choreography, performance, and instruction. 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.
- ▶ Upon completion of this program, the student will be able to examine and interpret dance movement in terms of time, space, and energy.
- ▶ Upon completion of this program, the student will be able to create dance sequences using compositional principles of time, space, and energy.

Required courses:		
DNCE 143	Ballroom Dance Technique II	1
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 I	3
DNCE 288	Dance Pedagogy	2
DNCE 292	Internship Studies	3
Select 9 units from the following:		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 140	Ballroom Dance Technique I	
DNCE 146	Latin Dance Technique I	
or DNCE 143	Ballroom Dance Technique II	
or DNCE 147	Latin Dance Technique II	
DNCE 154	Ballet II	

DNCE 158	Dance Stretch	
DNCE 168	Jazz Dance II	
DNCE 169	Introduction to World Dance Forms	
DNCE 178	Modern Dance II	
DNCE 183	Commercial Dance	
DNCE 191	Tap Dance I	
DNCE 193	Tap Dance II	
DNCE 254	Contemporary Dance I	
DNCE 256	Contemporary Dance II	
DNCE 266	Jazz Dance III	
DNCE 268	Jazz Dance IV	
Total Units		22.5

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	1.5
DNCE 154	Ballet II	1.5
Ballroom Dance CRC		
DNCE 140	Ballroom Dance Technique I	1
DNCE 143	Ballroom Dance Technique II	1
Choreography CRC		
DNCE 185	Choreography I	3
DNCE 186	Choreography II	3
Classical Dance Production CRC		
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
Commercial Dance CRC		
DNCE 121	Hip Hop I	1
DNCE 122	Hip hop II	1
DNCE 183	Commercial Dance	1
Contemporary Dance Production CRC		

DNCE 200	Contemporary Dance Production 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
Contemporary Dance Workshop CRC		
DNCE 254	Contemporary Dance I	1.5
DNCE 256	Contemporary Dance II	1.5
DNCE 263	Contemporary Dance Workshop and Performance A	1.5
DNCE 264	Contemporary Dance Workshop and Performance B	1.5
Jazz Dance CRC		
DNCE 166	Jazz Dance I	1.5
DNCE 168	Jazz Dance II	1.5
DNCE 266	Jazz Dance III	1.5
DNCE 268	Jazz Dance IV	1.5
Latin Dance CRC		
DNCE 146	Latin Dance Technique I	1
DNCE 147	Latin Dance Technique II	1
Modern Dance CRC		
DNCE 176	Modern Dance I	1.5
DNCE 178	Modern Dance II	1.5
Pilates CRC		
DNCE 157	Pilates Apparatus I	1
DNCE 159	Pilates Mat Work I	1
Student Choreography Production CRC		
DNCE 214	Student Choreography Production I	1.5
DNCE 215	Student Choreography Production II	1.5
Tap Dance CRC		
DNCE 191	Tap Dance I	1.5
DNCE 193	Tap Dance II	1.5
World Dance CRC		
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 169	Introduction to World Dance Forms	1

Courses

DNCE 100: Dance Appreciation

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in DNCE 100H and to students who completed DNCE 101 before Fall 2009.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1008.00)

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. Not open to students who completed DNCE 101 before Fall 2009. 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 and to students who completed DNCE 101 before Fall 2009.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1008.00)

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. Not open to students who took DNCE 101 prior to fall 2009. UC CREDIT LIMITATION: DNCE 100 and DNCE 100H.

DNCE 101: Dance History

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1008.00)

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.

DNCE 104: Dance on Film

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1008.00)

Course Typically Offered: Fall, Spring

This course explores the influence of dance as entertainment in American 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

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1008.00)

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, the opposite sex, 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.

DNCE 121: Hip Hop I

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.10)

Course Typically Offered: Fall, Spring

This course emphasizes movement in the hip hop genre used for movies, television, and video productions. It includes popping, krumping, breaking, and lyrical/contemporary hip hop styles at a beginning-intermediate level. Students are required to see a live dance concert.

DNCE 122: Hip hop II

Units: 1

Prerequisites: None

Advisory: DNCE 121.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.10)

Course Typically Offered: Spring

This course emphasizes movement in the hip hop genre used for movies, television, and video productions. It includes popping, krumping, breaking, and lyrical/contemporary hip hop styles at the intermediate-advanced level. Students are required to see a live dance concert.

DNCE 130: Middle Eastern Dance I

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.00)

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, Chiftitelli, 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.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.00)

Course Typically Offered: Spring even years

This course is a concentrated study of Middle Eastern dance within its cultural context at the intermediate level. Students learn dance choreographies, focusing on 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 132: Afro-Cuban Dance I

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.00)

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.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.00)

Course Typically Offered: Spring odd 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 140: Ballroom Dance Technique I

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.00)

Course Typically Offered: Fall even years

This course introduces beginning principles and techniques of American ballroom dances, including the 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.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.00)

Course Typically Offered: Spring odd years

This continued study of ballroom dance principles and techniques focuses on beginning-intermediate level American ballroom dances, including waltz, fox-trot, and East Coast 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

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.00)

Course Typically Offered: Fall even years

This course introduces beginning dance principles and techniques of Latin partnering dances, such as the salsa and merengue. 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.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.00)

Course Typically Offered: Spring odd years

This continued study of Latin dance principles and techniques focuses on beginning-intermediate Latin partnering dances, including the cha cha, American rumba, and the mambo. Students learn and perform Latin partnering dances while improving alignment, rhythm, footwork, and styling. Students are required to attend a live dance concert.

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. (1008.00)

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. (1008.00)

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 157: Pilates Apparatus I

Units: 1

Prerequisites: DNCE 159.

Enrollment Limitation: Concurrent enrollment in DNCE 159 if prerequisite not met. Maximum of four enrollments among DNCE 157, DNCE 159, DNCE 257, DNCE 259.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.00)

Course Typically Offered: Fall

This course uses the universal reformer to teach Pilates concepts, movement, and technique. Students learn beginning exercises that develop and improve body alignment, strength, flexibility, control, coordination, and breathing. These apparatus exercises also aid in correcting imbalances or dance/sports injuries. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

DNCE 158: Dance Stretch

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.00)

Course Typically Offered: Fall, Spring

This course includes specific flexibility and strengthening exercises designed to improve overall body awareness. It introduces students to body awareness programs such as yoga, ideokinesis, gyrokinesis, Pilates, Alexander, and Feldenkrais techniques. Students are required to attend a live dance performance. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

DNCE 159: Pilates Mat Work I

Units: 1

Prerequisites: None

Enrollment Limitation: Maximum of four enrollments among DNCE 157, DNCE 159, DNCE 257, DNCE 259.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.00)

Course Typically Offered: Fall, Spring

This Pilates conditioning course emphasizes basic Pilates mat work exercises and body awareness that lead to improved strength, flexibility, control, coordination, body alignment, and breathing. Students learn basic Pilates principles to develop a kinesiological awareness for improved dance/sports technique and performance. (May be repeated two times.) UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

DNCE 166: Jazz Dance I

Units: 1.5

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours. (1008.00)

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, 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.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours. (1008.00)

Course Typically Offered: Fall

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

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.00)

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 176: Modern Dance I

Units: 1.5

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours. (1008.00)

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.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours. (1008.00)

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

Units: 1-2

Prerequisites: None

Corequisite: DRAM 272.

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 6 hours. (1008.00)

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 music affect level of performance, and they integrate these techniques into choreography of a theatrical performance. (May be repeated three times.)

DNCE 183: Commercial Dance

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1008.10)

Course Typically Offered: To be arranged

This course emphasizes movement for commercial dance work used in movies, concert dance, television, musical theater, and videos offering current trends in popular dance styles. It includes turns, floor work, leaps, and rhythm techniques. Students are required to attend a live dance performance. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

DNCE 185: Choreography I

Units: 3

Prerequisites: None

Advisory: DNCE 152, DNCE 166, or DNCE 176.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (1008.00)

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 186: Choreography II

Units: 3

Prerequisites: DNCE 185.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (1008.00)

Course Typically Offered: To be arranged

This course continues the development of choreographic concepts and skills from DNCE 185. Students create and craft dance compositions based on the principles of time, space, and energy, expanding movement concepts from solo or small-group work to larger-group choreography. Topics include music/accompaniment and basic costume design.

DNCE 191: Tap Dance I

Units: 1.5

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours. (1008.00)

Course Typically Offered: Fall

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 193: Tap Dance II

Units: 1.5

Prerequisites: None

Advisory: DNCE 191.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours. (1008.00)

Course Typically Offered: Spring

This course provides study in intermediate tap dance technique, principles, and terminology. It prepares students for 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 and 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. (1008.00)

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. Formerly DNCE 296-3.

DNCE 201: Contemporary Dance Production II

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition and 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. (1008.00)

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 and 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. (1008.00)

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 and 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. (1008.00)

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: 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. (1008.00)

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 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. (1008.00)

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 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. (1008.00)

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. Formerly DNCE 296-4.

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. (1008.00)

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. (1008.00)

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. Formerly DNCE 296-1.

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. (1008.00)

Course Typically Offered: Spring even 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 254: Contemporary Dance I

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours. (1008.00)

Course Typically Offered: Summer

This course introduces contemporary dance as an expressive art form and builds technical skills at the beginning-intermediate level. It evaluates movement phrases in space, effort, and time and focuses on establishing kinesthetic awareness and the ability to find one's own groove. Students are required to attend a live dance performance. (Formerly DNCE 296-2.)

DNCE 256: Contemporary Dance II

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours. (1008.00)

Course Typically Offered: Summer

This course studies contemporary dance as an expressive art form and builds technical skills at the intermediate-advanced level. It evaluates movement phrases in space, effort, and time and focuses on establishing kinesthetic awareness and the ability to find one's own groove. Students are required to attend a live dance performance.

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. (1008.00)

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 Festival Association (ACDFA) 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.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours. (1008.00)

Course Typically Offered: Summer

This course offers students and choreographers a beginning-to-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 264: Contemporary Dance Workshop and Performance B

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours. (1008.00)

Course Typically Offered: Summer

This course offers students and choreographers an intermediate-to-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 266: Jazz Dance III

Units: 1.5

Prerequisites: None

Advisory: DNCE 168.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours. (1008.00)

Course Typically Offered: Spring

This course provides study in intermediate/advanced jazz-dance technique, principles, and terminology. Topics include body alignment, and musicality.

DNCE 268: Jazz Dance IV

Units: 1.5

Prerequisites: None

Advisory: DNCE 266.

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 3 hours. (1008.00)

Course Typically Offered: Spring odd years

This course provides study in advanced jazz dance technique, principles, and terminology. Topics include musicality and various jazz styles.

DNCE 288: Dance Pedagogy

Units: 2

Prerequisites: DNCE 146, DNCE 152, DNCE 166, DNCE 176, DNCE 178, or DNCE 266.

Acceptable for Credit: CSU, UC

Lecture 1 hour, laboratory 3 hours. (1008.10)

Course Typically Offered: Spring even years

This course for dancers with a strong understanding of dance technique and aesthetics covers the theory and practical application of teaching dance. Topics include the analysis of objectives, principles, and techniques of dance instruction, including the development of lesson plans, syllabi, musical accompaniment, and student-learning outcomes for a variety of levels, styles, and settings.

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: 0.5-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 0.5 hours.

Lecture 1 hour.

Lecture 1.5 hours.

Lecture 2 hours.

Lecture 2.5 hours.

Lecture 3 hours. (1008.00)

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 298: Directed Study in Dance

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1008.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

DNCE 299: Occupational Cooperative Work Experience

Units: 1-4

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

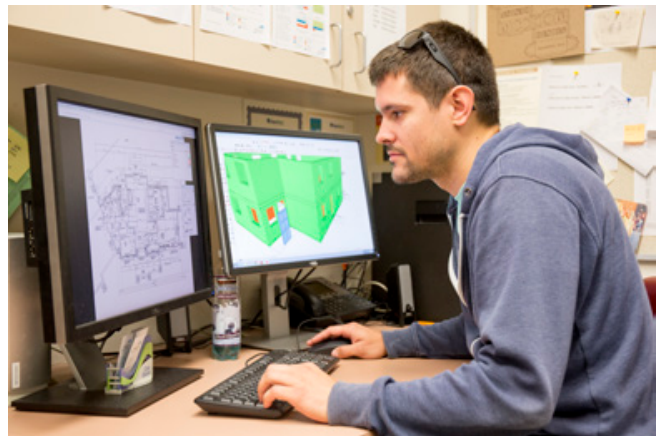
Enrollment Limitation: Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

Acceptable for Credit: CSU

Course Typically Offered: To be arranged

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.

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 architectural design, computer aided design, mechanical design, and engineering design. 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 course work includes engineering design graphics courses for students majoring in aerospace, civil, environmental, industrial, mechanical, and structural engineering. The architectural course work 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. 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.

Contact Information

Chairs: Paul Clarke(Fall 2017), David Parker(Spring 2018)
Department: Design
Office: Building OC4800, 760.795.6811
Dean: Al Taccone

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**

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). 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 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 204	Advanced 3D Modeling and Prototyping	
HORT 127	Landscape Design	

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 Computer-Aided Design and Drafting	3
DESN 203	Solid Modeling	3
DESN 204	Advanced 3D Modeling and Prototyping	3
DESN 290 or DESN 292 or DESN 299	Portfolio and Presentation Internship Studies Occupational Cooperative Work Experience	1
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 120	Manufacturing Processes	
Emphasis in Landscape (6 units):		
HORT 127	Landscape Design	
HORT 220	Computer-Aided Landscape Design Applications	
Total Units		23-24

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 8 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 17 units of required core courses and at least 8 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 Computer-Aided Design and Drafting	3
DESN 203	Solid Modeling	3
DESN 204	Advanced 3D Modeling and Prototyping	3
DESN 290 or DESN 292 or DESN 299	Portfolio and Presentation Internship Studies Occupational Cooperative Work Experience	1
Select at least 8 units from one of the three areas of emphasis (Architecture, Engineering, or Landscape):		8
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	
Landscape Emphasis		
DESN 102	Architectural Drawing	
HORT 117	Plant Identification: Trees, Shrubs, and Vines	
HORT 126	Landscape Irrigation	
HORT 127	Landscape Design	
HORT 220	Computer-Aided Landscape Design Applications	
Total Units		25

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	Advanced 3D Modeling and Prototyping	3
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		22

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:

ART 100	Drawing and Composition	3
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	Advanced 3D Modeling and Prototyping

Total Units 16

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 131	Management Principles	3
BUS 133	Project Management	3
Choose one course from the following:		3-4
ACCT 101	Practical Accounting	
BUS 130	Entrepreneurship and Small Business Management	
CSIT 110	Computer Applications	
DESN 207	Revit Building Information Modeling	
HORT 128	Landscape Construction	
Total Units		15-17

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, to 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 110	Graphics Communication	3
DESN 111	Engineering Design Graphics	4
DESN 203	Solid Modeling	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 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 101	Computer-Aided Design and Drafting	4
DESN 120	Manufacturing Processes	3
DESN 201	Advanced Computer-Aided Design and Drafting	3
DESN 203	Solid Modeling	3
DESN 204	Advanced 3D Modeling and Prototyping	3
Total Units		16

Courses

DESN 100: Fundamentals of Design

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (0953.00)

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. (0953.00)

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. (0201.00)

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. (0201.00)

Course Typically Offered: Spring

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. (0201.00)

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. (0201.00)

Course Typically Offered: Fall, Spring

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 sustainability. It examines selected significant historical works of architecture to shed light on the technological, religious, and social forces that shaped these works. Students explore the principles of sustainable design as they examine past exemplars of architectural design through the lens of present day sustainability guidelines.

DESN 109: Introduction to Engineering and Design

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (0953.00)

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

Enrollment Limitation: Not open to students with prior credit in DRAF 110 or ENGR 110.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0953.00)

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. (0953.00)

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. (0953.00)

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. (0201.00)

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 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. (0953.00)

Course Typically Offered: Fall, 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 tolerancing, block libraries, attributes, bills of materials, isometric drawings, plotting, modeling, and photo-realistic 3D 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. (0953.00)

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: Advanced 3D Modeling and Prototyping

Units: 3

Prerequisites: None

Advisory: DESN 201 or DESN 203.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 4.50 hours. (0953.00)

Course Typically Offered: Fall

This course provides advanced theory and hands-on application of 3D modeling and prototyping to students with prior CAD modeling experience or coursework. Building upon the fundamentals, students develop skill in solid and surface modeling, mold designing, rapid prototyping, and additive manufacturing. Students develop and refine modeling skills, produce prototypes, enhance presentation models, and use simulation and 3D printing tools to solve design problems. Additional topics include file translation, presentation assessment, and Computer Aided Manufacturing (CAM) and Computer Numerical Control (CNC) techniques.

DESN 207: Revit Building Information Modeling

Units: 3

Prerequisites: None

Advisory: DESN 101 and DESN 102.

Enrollment Limitation: Not open to students with prior credit in ARCH 207 or DRAF 207.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0953.00)

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 290: Portfolio and Presentation

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 0.50 hour, laboratory 1.50 hours. (0953.00)

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. (0953.00)

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Drafting 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 298: Directed Study in Design

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (0953.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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.

Contact Information

Chair: Eric Bishop**Dean:** Jonathan Fohrman
www.miracosta.edu/DRAM**Department:** Theatre and Film**Office:** Building OC4700,
760.795.6844

Full-Time Faculty

Eric Bishop
Andrew Layton
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.

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	Stage Makeup	3
DRAM 256	Stagecraft	3
Select at least 3 units from the following:		3
DRAM 270	Rehearsal and Performance - Technical Theatre	
DRAM 271	Rehearsal and Performance – Acting	
DRAM 272	Rehearsal and Performance – Musical Theatre	
Total Units		21

Associate in Arts Degree



Associate in Arts in Theatre Arts for Transfer Degree

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 60 semester (90 quarter) CSU transferable units.
- ▶ Complete all courses required in the major with a "C" or better.
- ▶ Complete the CSU-GE or CSU-IGETC* general education pattern.
- ▶ Achieve a minimum CSU transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

*Students completing UC-IGETC may be awarded the degree, but they will not 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 270	Rehearsal and Performance - Technical Theatre	
DRAM 271	Rehearsal and Performance – Acting	
DRAM 272	Rehearsal and Performance – Musical Theatre	
List A:		9
DRAM 107	Introduction to Design for Performance	
DRAM 123	Script Analysis for Performance and Design	
DRAM 141	Stage Lighting	
DRAM 146	Introduction to Stage Costume	
DRAM 231	Acting II	
DRAM 253	Stage Makeup	
DRAM 256	Stagecraft	
Select a maximum of 3 units from courses below if not used in Required Core above:		
DRAM 270	Rehearsal and Performance - Technical Theatre	
DRAM 271	Rehearsal and Performance – Acting	

DRAM 272	Rehearsal and Performance – Musical Theatre	
Total Units		18

To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement on the CSU-GE or IGETC-CSU general education pattern. Students are also strongly advised to complete the CSU History, Constitution, and American Ideals requirement prior to transfer.

- * Course approved for the CSU-GE general education pattern.
- ** Course approved for the CSU-GE and IGETC-CSU general education patterns.

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. 58)§). 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 Stage Makeup	3
DRAM 141	Stage Lighting	3

DRAM 146	Introduction to Stage Costume	3
DRAM 256	Stagecraft	3
DRAM 270	Rehearsal and Performance - Technical Theatre *	3
Total Units		24

* To complete the DRAM 270 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 110	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. (1007.00)
Course Typically Offered: Fall, Spring

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. (1006.00)

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 attend college 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. (1007.00)

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

Enrollment Limitation: Not open to students with prior credit in COMM 110.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1007.00)

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. Attendance at local theatrical productions is required.

DRAM 120: Dramatic Literature (Ancient Greeks to Shakespeare)

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1007.00)

Course Typically Offered: Fall

This course introduces students to dramatic literature from the Greeks to the Seventeenth Century. It emphasizes the analysis of dramatic structure and practice, including reading strategies, character and plot analyses, and production practices and styles of the historical periods covered. Students may be required to attend live performances.

DRAM 121: Dramatic Literature (Restoration to Present)

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1007.00)

Course Typically Offered: Spring

This course introduces students to dramatic literature from the eighteenth century to the present. It emphasizes the analysis of dramatic structure and practice, including reading strategies, character and plot analyses, and production practices and styles of the historical period covered. Students may be required to attend live performances.

DRAM 123: Script Analysis for Performance and Design

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1007.00)

Course Typically Offered: 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. (1007.00)

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 attend local theatrical productions.

DRAM 130: Acting I

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (1007.00)

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 attend live 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, UC

Lecture 1 hour, laboratory 3 hours. (1007.00)

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. (1007.00)

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 Theatre Festival. Students enter this course by audition/interview or nomination by the Kennedy Center/American College Theatre Festival. (May be repeated three times.)

DRAM 134: Introduction to Performance

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1007.00)

Course Typically Offered: Fall even years

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 attend live performances both on and off campus.

DRAM 139: Stage and Concert Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (1006.00)

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 attend two live performances.

DRAM 141: Stage Lighting

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (1006.00)

Course Typically Offered: Spring

This course introduces students to the technique and practices of theatrical stage lighting, and it develops skills relative to common applications in the field. Students engage in both lecture and practice, gaining hands-on experience while demonstrating skills learned in coursework. Creating and designing lighting projects in class as well as working on current MiraCosta College Theatre productions, students evaluate and analyze the effectiveness of their skills and creations and critically reflect on their execution. Students are required to attend local theatrical productions. C-ID THTR-173.

DRAM 146: Introduction to Stage Costume

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (1006.00)

Course Typically Offered: Spring

This course gives students the opportunity to study costume history, design, and basic construction techniques as an introduction to costuming. Students learn about fabrics and conventional and non-conventional costume materials. Students are required to attend college 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. (1007.00)

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 226: Advanced Performance Lab

Units: 1

Prerequisites: DRAM 126.

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (1007.00)

Course Typically Offered: Summer

This advanced performance lab course focuses on advanced process and methodology, performance styles, and performance approaches. Students are required to attend live theatrical performances.

DRAM 227: Dramatic Improvisation

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (1007.00)

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. (1007.00)

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 attend live 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. (1007.00)

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: Stage Makeup

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (1006.00)

Course Typically Offered: Spring

This course introduces students to the technique and practices of theatrical makeup, and it 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 makeup. Students evaluate and analyze the effectiveness of their creations, reflect on their skills, produce proper design documentation, and put makeup into practice backstage during MiraCosta College Theatre productions. (Materials Fee: \$70.00) C-ID THTR-175. (Materials Fee: \$70.00)

DRAM 256: Stagecraft

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (1006.00)

Course Typically Offered: Fall, Spring

This course introduces students to the technique and practices of theatrical stagecraft, 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 270: Rehearsal and Performance - Technical Theatre

Units: 1-3

Prerequisites: None

Enrollment Limitation: May not enroll in two sections of the same course in any given semester.

Acceptable for Credit: CSU, UC

Laboratory 9 hours. (1007.00)

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.) C-ID THTR-192.

DRAM 271: Rehearsal and Performance – Acting

Units: 1-3

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 9 hours. (1007.00)

Course Typically Offered: Fall, Spring, and Summer

This course provides students with the opportunity to perform in non-musical theatrical productions. All students participate in the Kennedy Center/American College Theatre Festival academic theatre competition. The course emphasizes the rehearsal process and culminates in public performances. (May be repeated three times.) C-ID THTR-191.

DRAM 272: Rehearsal and Performance – Musical Theatre

Units: 1-3

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Laboratory 9 hours. (1007.00)

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 Theatre Festival academic theatre competition. The course emphasizes the rehearsal process and culminates in public performances. (May be repeated three times.) C-ID THTR-192.

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. (1007.00)

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 298: Directed Study in Dramatic Arts

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1007.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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.

Contact Information

Chair: John Turbeville
Dean: Michael Fino
www.miracosta.edu/EART

Department: Physical Sciences
Office: Building OC3600,
760.757.2121 x6924

Full-Time Faculty

Chris Metzler

Courses

EART 106: Earth and Space Science

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1930.00)

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.

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.

Contact Information

Chair: Lynne Miller
Dean: Michael Fino
www.miracosta.edu/ECON

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. (2204.00)

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: MATH 64 or eligibility determined by the math placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2204.00)

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: MATH 64 or eligibility determined by the math placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2204.00)

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.

ECON 298: Directed Study in Economics

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

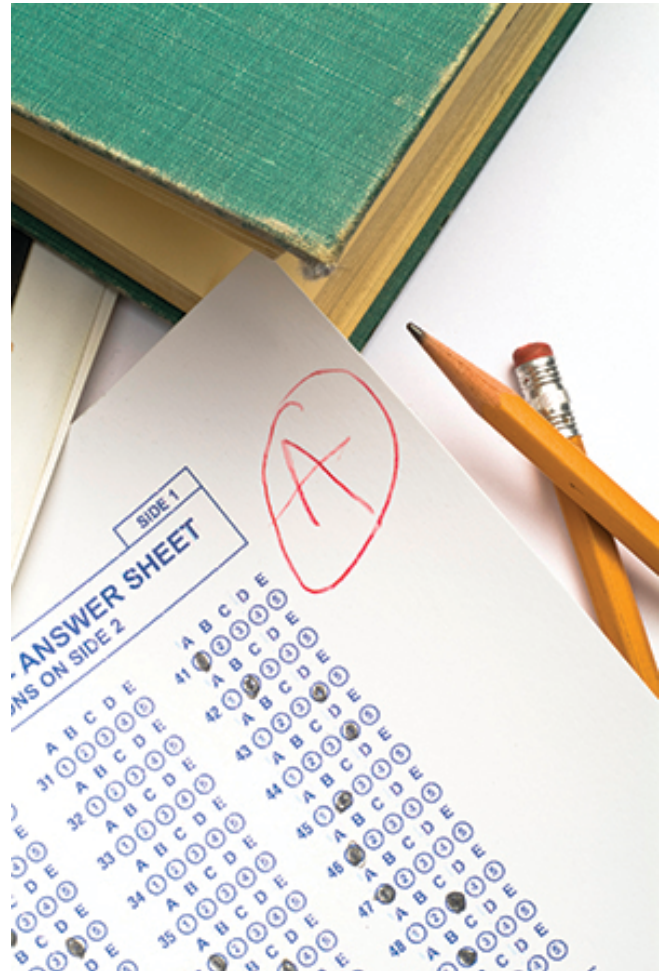
Laboratory 6 hours

Laboratory 9 hours. (2204.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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.

Contact Information

Chair: Penny Skemp**Dean:** Al Taccone**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. (0801.00)
 Course Typically Offered: Fall, Spring

This course introduces teaching careers in primary and secondary education and involves 45 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.

Contact Information

Chairs: Teresa Guinon (Letters, Pre-Transfer), John Kirwan (Letters, Transfer)
Dean: Dana Smith
www.miracosta.edu/ENGL
Department: Letters, Transfer Department and Letters, Pre-Transfer Department
Office: Administration Building, San Elijo Campus, 760.634.7879

Full-Time Faculty

Daniel Ante-Contreras	John Kirwan
Anthony Burman	Luke Lambert
Zulema Diaz	Curry Mitchell
Maria Figueroa-Chacon	Jane Mushinsky
Teresa Guinon	Tyrone Nagai
Kelly Hagen	Dara Perales
Susan Herrmann	Violeta Sanchez
Jade Hidle	Jake Strona
José Jara	Jim Sullivan
Jeff Keehn	Chad Tsuyuki

Courses

ENGL 40: English Grammar and Usage

Units: 3
 Prerequisites: None
 Lecture 3 hours. (1501.00)
 Course Typically Offered: Fall or Spring

This course reviews basic grammar conventions and emphasizes sentence craft and clarity. Topics include the parts of speech, sentence types, syntax development, and editing strategies. This course is intended for students who want to improve the accuracy and complexity of their prose at the sentence level.

ENGL 49: Introduction to Academic Writing

Units: 4
 Prerequisites: None
 Enrollment Limitation: Not open to students with prior credit in ACE 49, ACE 149, ESL 49, or ESL 149.
 Lecture 4 hours. (1501.00)
 Course Typically Offered: Fall, Spring, and Summer

This 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. Offered pass/no pass only.

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 50, ACE 150, ESL 50, or ESL 150.
 Lecture 4 hours. (1501.00)
 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 50, ACE 150, ENGL 50, ESL 50, or ESL 150.

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.

ENGL 100: Composition and Reading

Units: 4

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process or concurrent enrollment in ENGL 52.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (1501.00)

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. C-ID ENGL-100.

ENGL 201: Critical Thinking, Composition, and Literature

Units: 4

Prerequisites: ENGL 100.

Enrollment Limitation: Not open to students with prior credit in ENGL 201H.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (1501.00)

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.

Enrollment Limitation: Not open to students with prior credit in ENGL 201.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (1501.00)

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.

Enrollment Limitation: Not open to students with prior credit in ENGL 202H.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (1501.00)

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. 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. (1501.00)

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. (1501.00)

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.

ENGL 298: Directed Study in English

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1501.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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. Courses numbered 50 through 99 are associate-degree applicable. ESL 149 and ESL 150, our 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.

Contact Information

Chair: Mary Gross

Dean: Dana Smith

www.miracosta.edu/ESL

Department: English as a Second Language

Office: Administration, San Elijo Campus, 760.634.7879

Full-Time Faculty

Mary Gross

Melissa Lloyd-Jones

Courses

ESL 20: Listening and Speaking for Non-Native Speakers of English

Units: 3

Prerequisites: None

Lecture 3 hours. (4930.86)

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. (4930.85)

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. (4930.87)

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. (4930.87)

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 49, ACE 149, ENGL 49, or ESL 49.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (4930.84)

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. (Formerly ESL 49.)

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 50, ACE 150, ENGL 50, or ESL 50.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (4930.84)

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. (Formerly ESL 50.)

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.

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.

Contact Information

Chair: Eric Bishop**Dean:** Jonathan Fohrman

www.miracosta.edu/FILM

Department: Theatre and Film**Office:** Building OC4700,

760.795.6844

Full-Time Faculty

Billy Gunn

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. (0612.00)

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. (0612.00)

Course Typically Offered: Fall or Spring

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 106: Study of Filmed Plays

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in DRAM 106.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (0612.00)

Course Typically Offered: Fall, Spring

This course focuses on filmed adaptations of plays by comparing and contrasting the stage and screen versions in concept, writing, and production. Students gain insight and appreciation for both art forms through structural analysis, class discussions, and written critiques. Students are required to attend public performances.

FILM 111: Film History I: 1880-1945

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in FILM 110.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (0612.00)

Course Typically Offered: Fall or 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.

FILM 112: Film History II: 1945-Present

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (0612.00)

Course Typically Offered: Fall or Spring

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 21st century.

FILM 211: Identity and Film: Race, Class, Gender and Sexuality

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (0612.00)

Course Typically Offered: Fall or 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.

FILM 212: Women and Film: Representation and Impact

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (0612.00)

Course Typically Offered: Fall or Spring

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 of the various ways women have been both (mis)represented in a male-dominated industry and participated in the art of filmmaking. Key individuals in film history and a variety of genres are discussed as ways to explore the social, political, and cultural impact of women in film.

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. (0612.00)

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.

FILM 298: Directed Study in Film

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (0612.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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 the courses described below.

Contact Information

Chair: Pilar Hernández**Dean:** Jonathan Fohrman

www.miracosta.edu/FREN

Department: International Languages**Office:** Building OC4700, 760.795.6844

Full-Time Faculty

Cristina Toharia

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. (1102.00)

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. (1102.00)

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 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. (1102.00)

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. (1102.00)

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. (1102.00)

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.

FREN 298: Directed Study in French

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1102.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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.

Contact Information

Chair: Lynne Miller**Dean:** Michael Fino

www.miracosta.edu/GEOG

Department: Social Science**Office:** Building OC3600,

760.757.2121 x6924

Full-Time Faculty

Herschel Stern

Courses

GEOG 101: Physical Geography

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2206.00)

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. (2206.00)

Course Typically Offered: Fall, Spring

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-120.

GEOG 102: Cultural Geography

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2206.00)

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. (2206.00)

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. (2206.00)

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. (2206.00)

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.

GEOG 298: Directed Study in Geography

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (2206.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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. With a bachelor's degree, 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.

Contact Information

Chair: John Turbeville

Dean: Michael Fino

www.miracosta.edu/GEOL

Department: Physical Sciences

Office: Building OC3600,

760.757.2121 x6924

Full-Time Faculty

Keith Meldahl
Chris Metzler
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. (1914.00)

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.

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. (1914.00)

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.

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. (1914.00)

Course Typically Offered: Fall, Spring

This course, which is intended to accompany GEOL 101 / 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 101LH: Physical Geology Laboratory (Honors)

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 101L.

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (1914.00)

Course Typically Offered: Fall or Spring

This course, which is intended to accompany GEOL 101 / 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. This honors course offers highly motivated students the opportunity to complete and present independent scientific research and its application to geologic problems in the field. Students perform field observations at specific geologic points of interest off campus. 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.

GEOL 298: Directed Study in Geology

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1914.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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 the courses described below.

Contact Information

Chair: Pilar Hernández

Dean: Jonathan Fohrman
www.miracosta.edu/GRMN

Department: International Languages

Office: Building OC4700,
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. (1103.00)

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. (1103.00)

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. (1103.00)

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. (1103.00)

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.

Contact Information

Chair: Steve Eso
Dean: Nikki Schaper
www.miracosta.edu/GERO

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.

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 160	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/SOC 104	Statistics for Behavioral Science	
or PSYC/SOC 104H	Statistics for Behavioral Science (Honors)	
SOC 110	Comparative Cultures	
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. (1309.00)
 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. (1309.00)
 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. (1309.00)
 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. (2001.00)
 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.

Contact Information

Chair: Gail Meinhold
Dean: Al Taccone
www.miracosta.edu/HEAL

Department: Kinesiology,
 Health and Nutrition
Office: Building OC4800,
 760.795.6811

Full-Time Faculty

Robert Fulbright
 Casey McFarland
 Gail Meinhold

Courses

HEAL 101: Principles of Health

Units: 3
 Prerequisites: None
 Acceptable for Credit: CSU, UC
 Lecture 3 hours. (0837.00)
 Course Typically Offered: Fall, Spring, and Summer

This survey course on the principles of health and wellness aims to enhance the student's self-awareness through exposure to the principles of wellness. Topics include exercise, weight maintenance, nutrition, human sexuality, sexual responses, sexually transmitted diseases, drug use, misuse and abuse, cancers, type 2 diabetes, and cardiovascular diseases.

HEAL 222: Stress Management

Units: 3
 Prerequisites: None
 Acceptable for Credit: CSU
 Lecture 3 hours. (1262.00)
 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. (0837.00)

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 298: Directed Study in Health

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (0837.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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

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.

History



The study of history is the endeavor to understand the present by becoming knowledgeable about the past. 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.

Contact Information

Chair: Brad Byrom

Dean: Nikki Schaper

www.miracosta.edu/HIST

Department: History

Office: Building OC3100,

760.795.6871

Full-Time Faculty

Robert Bond

Brad Byrom

Lesley Doig

Lisa Lane

Christopher Sleeper

Associate Degrees

Associate in Arts Degree

Associate in Arts in History for Transfer Degree

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 60 semester (90 quarter) CSU transferable units
- ▶ Complete all courses required in the major with a "C" or better
- ▶ Complete the CSU-GE or CSU-IGETC* general education pattern
- ▶ Achieve a minimum CSU transferable GPA of 2.0
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

*Students completing UC-IGETC may be awarded the degree, but they will not 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.
- ▶ Upon completion of this program, the student will be able to 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. (It is recommended that you select courses that meet lower-division major preparation requirements at your intended transfer university.) 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	Origins of Western Culture **	
or HIST 103H	Origins of Western Culture (Honors)	
HIST 104	Modern Western Culture **	
or HIST 104H	Modern Western Culture (Honors)	

List B: 6-7 Units. Select one course from each Area. 6-7

Area 1: 3-4 Units. *

CHNS 101	Elementary Chinese (First Semester)	
CHNS 102	Elementary Chinese (Second Semester)	
CHNS 201	Intermediate Chinese (Third Semester)	
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 **	
HIST 142	Mexican American History Since 1877 **	
HIST 145	African American History to 1877 **	
HIST 146	African American History Since 1877 **	
ITAL 101	Elementary Italian (First Semester)	
ITAL 102	Elementary Italian (Second Semester)	
ITAL 103	Elementary Italian for Spanish speakers (First Semester)	
ITAL 104	Elementary Italian for Spanish speakers (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)	
Area 2: 3 Units.		
Any History course not used above.		
HIST 102	History of the Modern Middle East	
or HIST 102H	History of the Modern Middle East (Honors)	
HIST 105	History of England	
or HIST 105H	History of England (Honors)	
HIST 106	History of Technology	
or HIST 106H	History of Technology (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 **
HIST 142	Mexican American History Since 1877 **
HIST 145	African American History to 1877 **
HIST 146	African American History Since 1877 **
HIST 165	California History
<hr/>	
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 .

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.

All courses listed above can also be used in specific general education categories on the CSU-GE (Plan B (p. 80)) or CSU-IGETC (Plan C (p. 85)) 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.

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. (2205.00)

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. (2205.00)

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. (2205.00)

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. (2205.00)

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. (2205.00)

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. (2205.00)

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: Origins of Western 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. (2205.00)

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: Origins of Western 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. (2205.00)

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 Western 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. (2205.00)

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.

HIST 104H: Modern Western 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. (2205.00)

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.

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. (2205.00)

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. (2205.00)

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. (2205.00)

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. (2205.00)

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

Enrollment Limitation: Not open to students with prior credit in ASIA 107.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2201.00)

Course Typically Offered: Spring

This course examines the social and political foundations of East Asia through 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. (2205.00)

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 142; or HIST 145 & HIST 146. 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. (2205.00)

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 142; or HIST 145 & HIST 146. C-ID HIST-130.

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. (2205.00)

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 142; or HIST 145 & HIST 146. 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. (2205.00)

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 142; or HIST 145 & HIST 146. C-ID HIST-140.

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. (2205.00)

Course Typically Offered: Fall odd years

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. (2205.00)

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 course work, emphasis on the use of 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. (2205.00)

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. (2205.00)

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. (2205.00)

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. (2205.00)

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. (2205.00)

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. (2205.00)

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

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2205.00)

Course Typically Offered: Fall or Spring

This study of United States history emphasizes a Chicano/a, Latino/a perspective through the Mexican-American War and the late 19th century. This course focuses on major political, social, economic, and cultural factors; it explores the roles played by the diverse peoples and cultures who shared in the development of U.S. 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 142; or HIST 145 & HIST 146.

HIST 142: Mexican American History Since 1877

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2205.00)

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 U.S. 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 142; or HIST 145 & HIST 146.

HIST 145: African American History to 1877

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2205.00)

Course Typically Offered: Fall or Spring

This course covers the historical development of the role of African Americans in United States 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 142; or HIST 145 & HIST 146.

HIST 146: African American History Since 1877

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2205.00)

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 142; or HIST 145 & HIST 146.

HIST 165: California History

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2205.00)

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. (2205.00)

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.

HIST 298: Directed Study in History

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (2205.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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.

Contact Information

Chairs: Karen Smith(Fall 2017), **Department:** Horticulture and
Claire Ehrlinger(Spring 2018) Hospitality
Dean: Al Taccone **Office:** Building OC4800,
www.miracosta.edu/HORT 760.795.6811

Full-Time Faculty

Megan Allison
Claire Ehrlinger

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. 58)). 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	Landscape Irrigation	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 110	Introduction to Sustainable Horticulture	
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	Landscape Irrigation	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:

- ▶ 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	Landscape Irrigation	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 110	Introduction to Sustainable Horticulture	
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:

- ▶ 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	Landscape Irrigation	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 or HORT 299	Internship Studies Occupational Cooperative Work Experience	1
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	Landscape Irrigation	3
HORT 127	Landscape Design	3
HORT 128	Landscape Construction	3
HORT 134	Integrated Pest Management	3
HORT 292 or HORT 299	Internship Studies Occupational Cooperative Work Experience	1
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	Landscape Irrigation	3
HORT 134	Integrated Pest Management	3
HORT 145	Sensory Analysis of Wines	1.5
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 or HORT 299	Internship Studies Occupational Cooperative Work Experience	1
Total Units		29.5

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	Landscape Irrigation	3
HORT 128	Landscape Construction	3
Total Units		13

Courses

HORT 110: Introduction to Sustainable Horticulture

Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours. (0109.00)
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.

HORT 115: Soil Science

Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours. (0103.00)
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-PS128L.

HORT 116: Plant Science

Units: 4
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours. (0103.00)
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.

HORT 117: Plant Identification: Trees, Shrubs, and Vines

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (0109.00)

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.

HORT 118: Arboriculture

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (0199.00)

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.

HORT 121: Sustainable Landscape and Turf Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0109.10)

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. (0109.00)

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: Landscape Irrigation

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0109.10)

Course Typically Offered: Fall

This course introduces the design, installation, and maintenance of a water efficient landscape irrigation system. Topics include water supply, basic hydraulics, climate, soil and plant characteristics, component identification and terminology, and pipe sizing as well as types of sprinklers, valves, and controllers.

HORT 127: Landscape Design

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (0109.10)

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. (0109.10)

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.

HORT 134: Integrated Pest Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0109.00)

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.

HORT 140: Subtropical Fruit and Plant Production

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0109.00)

Course Typically Offered: Fall, Spring

This course examines the principles and practices involved in subtropical fruit and plant production, such as citrus and avocados. 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. (0109.30)

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 145: Sensory Analysis of Wines

Units: 1.5

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 1.50 hours. (0104.00)

Course Typically Offered: Fall or Spring

This course surveys the history and development of winemaking, detailing the grape varieties produced in the major wine-producing regions of the world. Topics include the influence of climate and soil; wine fermentation, handling, storage, and bottling methods; and wine disorders. Students learn organoleptic tasting techniques to differentiate among the characteristics and styles of various wines. Students must be at least 21 to enroll.

HORT 147: Wines of California

Units: 1.5

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours. (0104.00)

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

Lecture 1 hour, laboratory 1.50 hours. (0104.00)

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. (0104.00)

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. (0109.00)

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. (0109.00)

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. (0109.00)

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

Acceptable for Credit: CSU, UC (Acceptable for Credit: CSU, UC)

Course Typically Offered: Lecture 1 hour, laboratory 3 hours. (0109.00)

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. (0109.00)

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

Enrollment Limitation: Not open to students with prior credit in HORT 129.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0109.00)

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. (0109.10)

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. (0109.00)

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 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.

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, front office, reservations, sales, marketing, customer service, and management positions in hotels, restaurants, theme parks, attractions, clubs, and casinos.

Contact Information

Chairs: Karen Smith(Fall 2017), **Department:** Horticulture and Claire Ehrlinger(Spring 2018) Hospitality

Dean: Al Taccone
www.miracosta.edu/
instruction/hospitality/

Office: Building OC4800,
760.795.6811

Full-Time Faculty

Karen Smith

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. 58)). 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

Hospitality Management

This certificate provides students with the broad technical background required in today's increasingly diverse hospitality industry. This program 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 his/her 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.
- ▶ 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.
- ▶ Upon completion of this program, the student will be able to develop an operational strategy for a restaurant.

Required courses:		
HOSP 100	Introduction to Hospitality Management	3
HOSP 110	Guest Services and Presentations	3
HOSP 114	Hospitality Law	3
HOSP 120	Hospitality Human Resources Management	3
HOSP 128	Hospitality Marketing	3
HOSP 134	Sustainable Facilities Management	3
HOSP 150	Basics of Purchasing	3
Select at least 6 units from the following: 6		
HOSP 125	Recreation, Parks, and Leisure Management	
HOSP 130	Conference and Special Event Management	
HOSP 133	Front Office Management	
HOSP 145	Professional Development	
HOSP 153	Restaurant Management	
Total Units		27

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.

- ▶ Upon completion of this program, the student will be able to create a marketing plan for a product/service in hospitality marketing.
- ▶ Upon completion of this program, the student will be able to develop an operational strategy for a restaurant.

Required courses:		
HOSP 100	Introduction to Hospitality Management	3
HOSP 110	Guest Services and Presentations	3
HOSP 114	Hospitality Law	3
or HOSP 120	Hospitality Human Resources Management	
HOSP 128	Hospitality Marketing	3
HOSP 130	Conference and Special Event Management	3
HOSP 145	Professional Development	3
HOSP 150	Basics of Purchasing	3
HOSP 153	Restaurant Management	3
Total Units		24

Certificate of Proficiency

Catering Operations

The Catering Operations Certificate of Proficiency is designed to prepare students with the specific technical and supervisory job skills employers demand for banquet and catering positions.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, a student will be able to develop an operational strategy for a restaurant.

Required courses:		
HOSP 110	Guest Services and Presentations	3
HOSP 130	Conference and Special Event Management	3
HOSP 150	Basics of Purchasing	3
HOSP 153	Restaurant Management	3
Total Units		12

Certificate of Proficiency

Dining Room Operations

The Dining Room Operations Certificate of Proficiency is designed to prepare students for entry-level work in the hospitality industry with a focus on front-of-the-house restaurant procedures. The courses in this certificate also apply to the Restaurant Management Certificate of Achievement.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, a student will be able to develop an operational strategy for a restaurant.

Required courses:		
HOSP 110	Guest Services and Presentations	3
HOSP 130	Conference and Special Event Management	3
HOSP 145	Professional Development	3

HOSP 153	Restaurant Management	3
Total Units		12

Certificate of Proficiency

Food Service Operations

The Food Service Operations Certificate of Proficiency 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:		
HOSP 100	Introduction to Hospitality Management	3
HOSP 110	Guest Services and Presentations	3
HOSP 130	Conference and Special Event Management	3
HOSP 150	Basics of Purchasing	3
HOSP 153	Restaurant Management	3
Total Units		15

Certificate of Proficiency

Front Office Operations

This certificate prepares students for entry-level work in the hospitality industry with a focus on front-office procedures. 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:		
HOSP 100	Introduction to Hospitality Management	3
HOSP 110	Guest Services and Presentations	3
HOSP 120	Hospitality Human Resources Management	3
HOSP 133	Front Office Management	3
HOSP 145	Professional Development	3
Total Units		15

Certificate of Proficiency

Meeting 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:		
HOSP 114	Hospitality Law	3
HOSP 120	Hospitality Human Resources Management	3
or HOSP 110	Guest Services and Presentations	
HOSP 128	Hospitality Marketing	3
HOSP 130	Conference and Special Event Management	3
Choose 3 units from the following courses:		3
HOSP 133	Front Office Management	
HOSP 134	Sustainable Facilities Management	
Total Units		15

Certificate of Proficiency

Rooms Division Management

The Rooms Division Management Certificate of Proficiency 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 research, compare, and prepare written documents reviewing a specific legal procedure used for hotels/motels or restaurants.

Required courses:		
HOSP 114	Hospitality Law	3
HOSP 120	Hospitality Human Resources Management	3
HOSP 133	Front Office Management	3
HOSP 134	Sustainable Facilities Management	3
HOSP 150	Basics of Purchasing	3
Total Units		15

Courses

HOSP 100: Introduction to Hospitality Management

Units: 3
 Prerequisites: None
 Acceptable for Credit: CSU
 Lecture 3 hours. (1307.00)
 Course Typically Offered: Fall, Spring

This course covers the history, scope, and functions of the hospitality, food service, and tourism industries. It emphasizes basic management theories and principles as they apply to the industry. Topics include an overview of career opportunities, responsibilities, professionalism, and career ethics. Students may be required to visit various hospitality sites.

HOSP 110: Guest Services and Presentations

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1307.00)

Course Typically Offered: Fall

This course helps students develop the service and presentation skills expected of employees, supervisors, and managers when interacting with hospitality guests and colleagues. The course covers approaches designed to exceed the needs and expectations of colleagues and guests. Students may be required to visit various hospitality sites.

HOSP 114: Hospitality Law

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1307.00)

Course Typically Offered: Fall, 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.

HOSP 120: Hospitality Human Resources Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1307.00)

Course Typically Offered: Fall

This course presents an overview of human resource management in hospitality settings. Topics include employment laws, discrimination and harassment claims, wrongful discharge, and laws affecting overtime work, wages, benefits, and tips. The course examines recruitment, selection, and turn-over issues as well as training programs, labor unions, and regulations affecting legal work status and living wages. Students may be required to visit various hospitality sites.

HOSP 125: Recreation, Parks, and Leisure Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1307.00)

Course Typically Offered: Spring

This course explores the role, nature, and range of commercial and community recreation. Students examine the activities and professional opportunities available for recreation, parks, and leisure management. Students may be required to visit parks and recreational facilities.

HOSP 128: Hospitality Marketing

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1307.00)

Course Typically Offered: Fall

This course takes a practical perspective in introducing students to the marketing of hotels, restaurants, and attractions. Topics include market segmentation, marketing techniques, and marketing methodologies, including sales, advertising, public relations, promotions, packaging, pricing strategies, revenue maximization, travel purchasing systems, and the role of social media.

HOSP 130: Conference and Special Event Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1307.00)

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. Students may be required to visit various hospitality sites.

HOSP 133: Front Office Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1307.00)

Course Typically Offered: Fall, Spring

This course provides training for entry-level positions in the lodging industry. The curriculum includes instruction in hotel/motel front office procedures and other duties performed in establishments that provide lodging, meals, convention facilities, and other hospitality services to the general public or to an organization's membership. This course reviews guest relations; registration and reservation systems; cash, credit, and audit procedures; safety and security. Students consider how front office activities affect other departments and focus on managing the front office.

HOSP 134: Sustainable Facilities Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1307.00)

Course Typically Offered: Fall

This course examines hospitality-industry practices in lodging and food-service property management. Topics include how sustainable practices apply to the management and design of hospitality facilities, implications of the United Nations's 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 145: Professional Development

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1307.00)

Course Typically Offered: Fall, Spring

This course provides students with the competencies necessary to supervise in the hospitality industry. Students learn a wide range of supervisory skills, such as effective communication, training, coaching, evaluating, disciplining, and conflict management. Topics include techniques for managing productivity and change as well as how the supervisor's skills, attitudes, and abilities impact these objectives. Students may be required to visit various hospitality sites.

HOSP 150: Basics of Purchasing

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1307.10)

Course Typically Offered: Fall

This course presents the principles and theories of control as it applies to food, beverage, supplies, and labor costs. It emphasizes the operating budget, income and cost control, menu pricing, and linens and supplies. Students learn how to effectively purchase and cost foods and supplies for special events and daily operations. Students may be required to visit various hospitality sites.

HOSP 153: Restaurant Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1307.10)

Course Typically Offered: Fall, Spring

This course develops key skills necessary to open and operate a successful restaurant. Students explore different types of food services, choose a concept and site for a restaurant, develop financing and operations strategies, and learn how to purchase appropriate food and beverage products, control food and overhead costs, and layout an efficient restaurant and kitchen.

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. (1307.00)

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 is an interdisciplinary study of human thought and culture, such as philosophy, literature, and the arts. Students take humanities courses to explore the discipline and to satisfy general education requirements. With a bachelor's degree in humanities, students pursue careers in education, communication, art, and public relations as well as professional positions in museums, theatres, and art centers.

Contact Information

Chair: John Kirwan (Letters, Transfer)
Dean: Dana Smith
www.miracosta.edu/HUMN

Department: Letters, Transfer
Office: Administration Building, San Elijo Campus, 760.634.7879

Full-Time Faculty

Daniel Ante-Contreras
 María Figueroa-Chacon
 John Kirwan

Violeta Sanchez
 Jim Sullivan

Courses

HUMN 101: Introduction to the Arts

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 HUMN 101H.
 Acceptable for Credit: CSU, UC
 Lecture 3 hours. (1504.00)
 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 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 101H: Introduction to the Arts (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 HUMN 101.
 Acceptable for Credit: CSU, UC
 Lecture 3 hours. (1504.00)
 Course Typically Offered: Fall, 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 entrée 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: Humanities of the Western World: Pre-History Through the Middle Ages

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. (1504.00)
 Course Typically Offered: Fall

This interdisciplinary course surveys major works, figures, styles, concepts, and techniques in the liberal and fine arts of the Western world. It spans from pre-history through the late Middle Ages. 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 202: Humanities of the Western World: The Renaissance to the Twentieth Century

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. (1504.00)
 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. (1504.00)

Course Typically Offered: Fall or Spring

This interdisciplinary survey course examines western civilization through art and literature while applying a feminist theoretic lens. It explores the social and historical construction of gender throughout the centuries in the literary, visual, and performance arts.

HUMN 250: American Studies: First Contact Through the Civil War

Units: 3

Prerequisites: None

Advisory: ENGL 100.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1504.00)

Course Typically Offered: Fall

This course is an interdisciplinary study of American identities as expressed through culture from the 1580s through the Civil War. It explores materials from American philosophy, religion, music and dance, art, architecture, history, and literature. The course gives special attention to contending ideas and beliefs that have shaped American identities and experience in the past and continue to do so in the present.

HUMN 251: American Studies: 1870s to the Present

Units: 3

Prerequisites: None

Advisory: ENGL 100.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1504.00)

Course Typically Offered: Spring

This course is an interdisciplinary study of American identities as expressed through culture from the 1870s to the present. It explores materials from American philosophy, religion, music and dance, art, architecture, history, and literature. The course gives special attention to contending ideas and beliefs that have shaped American identities and experience in the past and continue to do so in the present.

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. (1504.00)

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.

HUMN 298: Directed Study in Humanities

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1504.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

Interdisciplinary Studies

Contact Information

Dean: Mario Valente**Office:** Building OC1200,
760.795.6637

Courses

INTR 100: Foundation Skills for the College Experience

Units: 4

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 4 hours. (4999.00)

Course Typically Offered: Fall

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 basics, and effective use of library and learning resources. UC CREDIT LIMITATION: Credit for COUN 100, COUN 105, COUN 110, CRLP 100, 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 the courses described below.

Contact Information

Chair: Pilar Hernández

Dean: Jonathan Fohrman

www.miracosta.edu/ITAL

Department: International Languages

Office: Building OC4700,
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.

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.
- ▶ Upon completion of this program, the student will be able to 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.
- ▶ Upon completion of the program, the student will be able to 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 201	Intermediate Italian (Third Semester)	4
ITAL 202	Intermediate Italian (Fourth Semester)	4
ITAL 210	Intermediate Italian Conversation and Reading	3
ITAL 121	Introduction to Italian Culture	3
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	Origins of Western Culture	
or HIST 103H	Origins of Western Culture (Honors)	
HIST 104	Modern Western Culture	
or HIST 104H	Modern Western Culture (Honors)	
ITAL 101	Elementary Italian (First Semester)	
ITAL 102	Elementary Italian (Second Semester)	
ITAL 103	Elementary Italian for Spanish speakers (First Semester)	
ITAL 104	Elementary Italian for Spanish speakers (Second Semester)	
Total Units		17-18

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 104, ITAL 201, ITAL 202, or ITAL 210.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (1104.00)

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 104, ITAL 201 or ITAL 202.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (1104.00)

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 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 world's 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, ITAL 202, or ITAL 210.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (1104.00)

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 104: Elementary Italian for Spanish speakers (Second Semester)

Units: 4

Prerequisites: ITAL 101 or ITAL 103.

Enrollment Limitation: Not open to students with prior credit in ITAL 102, ITAL 201, ITAL 202, or ITAL 210.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (1104.00)

Course Typically Offered: To be arranged

This course continues to develop Italian language acquisition through listening, speaking, reading, and writing with an emphasis on the structural similarities between Italian and Spanish. It reviews and expands upon the vocabulary and grammatical structures introduced in ITAL 101, 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 world's history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the third year of high school Italian.

ITAL 121: Introduction to Italian Culture

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1502.00)

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, ITAL 104, 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. (1104.00)

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. (1104.00)

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 210: Intermediate Italian Conversation and Reading

Units: 3

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 hours. (1104.00)

Course Typically Offered: To be arranged

This course improves students' reading comprehension and conversational skills through the expanded use of first-year Italian vocabulary and grammatical structures. Students discuss authentic Italian reading materials about cultural and contemporary issues related to the Italian-speaking world.

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. (1104.00)

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 the courses described below.

Contact Information

Chair: Pilar Hernández

Dean: Jonathan Fohrman

www.miracosta.edu/JAPN

Department: International Languages

Office: Building OC4700,
760.795.6844

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. (1108.00)

Course Typically Offered: Fall, Spring

This course introduces contemporary Japanese and the Japanese writing system (hiragana, katakana, and selected kanji characters). It examines the language's 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. (1108.00)

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, UC

Lecture 3 hours. (1108.00)

Course Typically Offered: 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. (1108.00)

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. (1108.00)

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. (1108.00)

Course Typically Offered: To be arranged

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 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. (1108.00)

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.

JAPN 298: Directed Study in Japanese

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1108.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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.

Contact Information

Chair: Gail Meinhold
Dean: Al Taccone
www.miracosta.edu/instruction/kinesiology/

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. 250)).

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
KINE 100	Functional Resistance Training	
KINE 110	Walking for Fitness	
KINE 112	Cardiorespiratory Stabilization Training	
KINE 113	Cardiorespiratory Strength Training	
KINE 114	Cardiorespiratory Power Training	
KINE 141	Stabilization Weight Training	
KINE 143	Strength Endurance Weight Training	

KINE 144	Reactive Weight 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	Corrective Flexibility Training
KINE 157	Active Flexibility Training
KINE 158	Functional 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 meet the requirements to become a 500-hour registered yoga teacher (RYT) with Yoga Alliance. 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:		
BUS 130	Entrepreneurship and Small Business Management	3
KINE 149	Yoga Teacher Training Integration	3
KINE 154	Intermediate Yoga	1
KINE 155	Advanced Yoga	1
KINE 159	Yoga Teacher Training Implementation	3
KINE 292 or KINE 299	Internship Studies Occupational Cooperative Work Experience	1-3
Total Units		12-14

Certificate of Proficiency Yoga Instructor (200 Hours)

The Yoga Instructor 200-hour certificate prepares students to meet the requirements for Yoga Alliance to become a 200-hour registered yoga teacher (RYT) with Yoga Alliance. 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	Cardiorespiratory Stabilization Training
KINE 113	Cardiorespiratory Strength Training
KINE 114	Cardiorespiratory Power Training

Flexibility Training CRC

KINE 156	Corrective Flexibility Training
KINE 157	Active Flexibility Training
KINE 158	Functional Flexibility Training

Martial Arts CRC

KINE 161	Beginning Martial Arts
KINE 162	Intermediate Martial Arts
KINE 163	Advanced Martial Arts

Stabilization Weight Training CRC

KINE 141	Stabilization Weight Training
KINE 143	Strength Endurance Weight Training
KINE 144	Reactive Weight Training

Yoga CRC

KINE 150	Beginning Yoga
KINE 154	Intermediate Yoga
KINE 155	Advanced Yoga

Courses

KINE 100: Functional Resistance Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0835.00)

Course Typically Offered: Fall, Spring, and Summer

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 110: Walking for Fitness

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0835.10)

Course Typically Offered: Fall, Spring

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. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 112: Cardiorespiratory Stabilization Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0835.00)

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: Cardiorespiratory Strength Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0835.00)

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: Cardiorespiratory Power Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0835.00)

Course Typically Offered: Fall

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 141: Stabilization Weight Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0835.00)

Course Typically Offered: Fall, Spring, and Summer

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.

KINE 143: Strength Endurance Weight Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0835.00)

Course Typically Offered: Fall

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.

KINE 144: Reactive Weight Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0835.00)

Course Typically Offered: Fall, Spring

This reactive training course improves specific forms of training necessary for maximal force production. Students perform exercises in the reactive training phase to enhance reaction time, speed, and explosive movement. 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. (0835.20)

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, 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

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0835.20)

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

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0835.20)

Course Typically Offered: Fall, Spring

This course provides aspiring yoga teachers with the tools to deepen their independent practice in order to strengthen their teaching and develop a personal teaching style. The course continues to focus on designing, integrating, and implementing knowledge and teaching of asanas, pranayama techniques, meditation, and yogic history and philosophy. Students also learn about the business aspects of teaching yoga. Students are required to attend an off-campus yoga class.

KINE 150: Beginning Yoga

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0835.20)

Course Typically Offered: Fall, Spring

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. (0835.20)

Course Typically Offered: Fall, Spring

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. (0835.20)

Course Typically Offered: Fall, Spring

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: Corrective Flexibility Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0835.00)

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: Active Flexibility Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0835.00)

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: Functional Flexibility Training

Units: 0.5-1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (0835.00)

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. (0835.20)

Course Typically Offered: To be arranged

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. (0835.00)

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. (0835.00)

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. (0835.00)

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. (1270.00)

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. (0801.00)

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. (1270.00)

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. (1270.00)

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. (1270.00)

Course Typically Offered: Fall, Spring, and Summer

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. (0835.00)

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: Teresa Guinon(Letters, Pre-Transfer)	Department: Letters, Pre-Transfer
Dean: Dana Smith	Office: Administration Building, San Elijo Campus, 760.634.7879
www.miracosta.edu/SPEC	

Full-Time Faculty

Nancy Klump Schaefer

Courses

LRNS 40: Educational Planning and Assessment

Units: .5
 Prerequisites: None
 Lecture 0.50 hour. (4930.32)
 Course Typically Offered: Fall, Spring, and Summer

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 his/her learning disabilities. Offered pass/no pass only.

LRNS 42: Strategies Designed for Students with Learning Disabilities: Mathematics

Units: 3
 Prerequisites: None
 Lecture 3 hours. (4930.32)
 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. (4930.32)
 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,

Areas of Study & Courses

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

Dean: Al Taccone

Office: Building OC4800,
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. 250)
- ▶ **Liberal Arts with an Area of Emphasis in Arts and Humanities** (p. 251)
- ▶ **Liberal Arts with an Area of Emphasis in Business and Technology** (p. 253)
- ▶ **Liberal Arts with an Area of Emphasis in Creative and Applied Arts** (p. 254)
- ▶ **Liberal Arts with an Area of Emphasis in Mathematics and Sciences** (p. 256)
- ▶ **Liberal Arts with an Area of Emphasis in Multicultural Studies** (p. 257)
- ▶ **Liberal Arts with an Area of Emphasis in Social and Behavioral Sciences** (p. 258)

Liberal Arts with an Area of Emphasis in Applied Health, Nutrition, and Kinesiology

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.

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)
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 100	Introductory Chemistry
or CHEM 100H	Introductory Chemistry (Honors)
CHEM 102	Introduction to Organic and Biological Chemistry
CHEM 104	Chemistry of Living Things (Introduction to General, Organic, and Biochemistry)
CHEM 108	Preparatory Chemistry
CHEM 110	General Chemistry
or CHEM 110H	General Chemistry (Honors)
CHEM 111	General Chemistry
or CHEM 111H	General Chemistry (Honors)

List B: Select 6 units from the following courses: 6

HEAL 101	Principles of Health
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
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or ANTH 102H	Cultural Anthropology (Honors)
BIO/BTEC 180	Biostatistics
BUS 204	Business Statistics
COMM 101	Public Speaking
COMM 207	Interpersonal Communication
GERO 101	Introduction to Aging
MATH 103	Statistics
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/SOC 104	Statistics for Behavioral Science
or PSYC/SOC 104H	Statistics for Behavioral Science (Honors)
SOC 101	Introduction to Sociology
or SOC 101H	Introduction to Sociology (Honors)

Liberal Arts with an Area of Emphasis in Arts 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.

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 104	Artists & Designers Now	3
ART 157	Art Orientation	3

ART 158	Traditional Arts of Africa, Oceania, and the Americas	3
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
CHNS 101	Elementary Chinese (First Semester)	4
CHNS 102	Elementary Chinese (Second Semester)	4
CHNS 121	Introduction to Chinese Culture	3
CHNS 201	Intermediate Chinese (Third Semester)	4
COMM 101	Public Speaking	3
COMM 106	Group Communication	3
COMM 111	Oral Interpretation of Literature	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
DNCE 100	Dance Appreciation	3
or DNCE 100H	Dance Appreciation (Honors)	
DNCE 101	Dance History	3
DNCE 104	Dance on Film	3
DNCE 105	Dance Cultures of the World	3
DRAM 105	Introduction to Theatre	3
DRAM 120	Dramatic Literature (Ancient Greeks to Shakespeare)	3
DRAM 121	Dramatic Literature (Restoration to Present)	3
DRAM 130	Acting I	3
DRAM 134	Introduction to Performance	3
ENGL 100	Composition and Reading	4
ENGL 201	Critical Thinking, Composition, and Literature	4
or ENGL 201H	Critical Thinking, Composition, and Literature (Honors)	
ENGL 202	Critical Thinking and Composition	4
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
FILM 112	Film History II: 1945-Present	3
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3

Areas of Study & Courses

FILM 212	Women and Film: Representation and Impact	3	JAPN 101	Elementary Japanese (First Semester)	4
FREN 101	Elementary French (First Semester)	4	JAPN 102	Elementary Japanese (Second Semester)	4
FREN 102	Elementary French (Second Semester)	4	JAPN 121	Introduction to Japanese Culture	3
FREN 201	Intermediate French (Third Semester)	4	JAPN 201	Intermediate Japanese (Third Semester)	4
FREN 202	Intermediate French (Fourth Semester)	4	JAPN 202	Intermediate Japanese (Fourth Semester)	4
GRMN 101	Elementary German (First Semester)	4	JAPN 210	Intermediate Conversation I and Reading	3
GRMN 102	Elementary German (Second Semester)	4	LIT 120	Introduction to Literature	3
GRMN 121	Introduction to German Culture	3	LIT 250	American Literature: First Contact Through the Civil War	3
GRMN 201	Intermediate German (Third Semester)	4	LIT 251	American Literature: Mid-1800s to the Present	3
HIST 100	World History to 1500	3	LIT 260	English Literature Through the 18th Century	3
or HIST 100H	World History to 1500 (Honors)		or LIT 260H	English Literature Through the 18th Century (Honors)	
HIST 101	World History Since 1500	3	LIT 261	English Literature: Romantic to Contemporary	3
or HIST 101H	World History Since 1500 (Honors)		or LIT 261H	English Literature: Romantic to Contemporary (Honors)	
HIST 103	Origins of Western Culture	3	LIT 265	Shakespeare Studies	3
or HIST 103H	Origins of Western Culture (Honors)		or LIT 265H	Shakespeare Studies (Honors)	
HIST 104	Modern Western Culture	3	LIT 270	World Literature to 1600	3
or HIST 104H	Modern Western Culture (Honors)		LIT 271	World Literature Since 1600	3
HIST 110	United States History to 1877	3	MAT 105	History of Graphic Design	3
or HIST 110H	United States History to 1877 (Honors)		MUS 100	Introduction to Music Theory	3
HIST 111	United States History Since 1877	3	MUS 113	The Music of Multicultural America	3
or HIST 111H	United States History Since 1877 (Honors)		MUS 114	History of Rock and Roll	3
HIST 115	Women in American History	3	MUS 115	Introduction to Western Music	3
or HIST 115H	Women in American History (Honors)		MUS 116	A Survey of World Music	3
HUMN 101	Introduction to the Arts	3	MUS 119	Jazz History	3
or HUMN 101H	Introduction to the Arts (Honors)		or MUS 119H	Jazz History (Honors)	
HUMN 201	Humanities of the Western World: Pre-History Through the Middle Ages	3	PHIL 100	Informal Logic and Critical Thinking	3
HUMN 202	Humanities of the Western World: The Renaissance to the Twentieth Century	3	PHIL 101	Introduction to Philosophy: Knowledge and Reality	3
HUMN 205	Women in Western Art and Literature	3	or PHIL 101H	Introduction to Philosophy: Knowledge and Reality (Honors)	
HUMN 250	American Studies: First Contact Through the Civil War	3	PHIL 102	Contemporary Moral Problems	3
HUMN 251	American Studies: 1870s to the Present	3	PHIL 221	Philosophy of Religion	3
ITAL 101	Elementary Italian (First Semester)	4	READ 100	Critical Reading and Thinking	3
ITAL 102	Elementary Italian (Second Semester)	4	RELG 101	World Religions	3
ITAL 103	Elementary Italian for Spanish speakers (First Semester)	4	RELG 105	Eastern Religions	3
ITAL 104	Elementary Italian for Spanish speakers (Second Semester)	4	SPAN 101	Elementary Spanish (First Semester)	4
ITAL 121	Introduction to Italian Culture	3	SPAN 102	Elementary Spanish (Second Semester)	4
ITAL 201	Intermediate Italian (Third Semester)	4	SPAN 201	Intermediate Spanish (Third Semester)	4
ITAL 202	Intermediate Italian (Fourth Semester)	4	SPAN 202	Intermediate Spanish (Fourth Semester)	4
ITAL 210	Intermediate Italian Conversation and Reading	3	SPAN 203	Spanish for Native Speakers	4

SPAN 205	Hispanic Film, Literature, and Composition	3
SPAN 210	Intermediate Conversation and Reading	3

Liberal Arts with an Area of Emphasis in 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.

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	
BUS 204	Business Statistics	
ECON 100	Survey of Economics	
ECON 101	Principles of Economics: MACRO	
ECON 102	Principles of Economics: MICRO	
MATH 64	Intermediate Algebra	

MATH 103	Statistics	
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	
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	
HOSP 120	Hospitality Human Resources Management	
MTEC 160	Business of Music I	
MTEC 260	Business of Music 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	
MAT 255	Business of Media Arts	
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	

PHIL 100	Informal Logic and Critical Thinking
READ 100	Critical Reading and Thinking

Liberal Arts with an Area of Emphasis in 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.

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: Acrylic	3
ART 203	Life Drawing I	3
ART 204	Painting I: Oils	3
ART 205	Painting: Watercolor	3
ART 206	Mixed Media Figure Studies I	3
ART 207	Beginning Photography	3
ART 208	Advanced Photography	3
ART 210	Printmaking	3
ART 211	Mixed Media Figure Studies II	3
ART 212	Painting II: Acrylics	3

ART 213	Life Drawing II	3
ART 214	Painting II: Oils	3
ART 215	Painting II: Watercolor	3
ART 216	Sculpture	3
ART 217	Figure Sculpture	3
ART 218	Printmaking 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: Acrylic III	3
ART 242	Painting: Watercolor III	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 263	Life 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	Oral Interpretation of Literature	3
COMM 220	Introduction to Mass Communication	3
DNCE 100	Dance Appreciation	3
or DNCE 100H	Dance Appreciation (Honors)	
DNCE 101	Dance History	3
DNCE 104	Dance on Film	3
DNCE 105	Dance Cultures of the World	3
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	or FILM 101H	Introduction to Film (Honors)	
DNCE 146	Latin Dance Technique I	1	FILM 106	Study of Filmed Plays	3
DNCE 152	Ballet I	1.5	FILM 111	Film History I: 1880-1945	3
DNCE 154	Ballet II	1.5	FILM 112	Film History II: 1945-Present	3
DNCE 166	Jazz Dance I	1.5	MAT 120	Media Design 1: Production	3
DNCE 168	Jazz Dance II	1.5	MAT 125	Web Design 1: Fundamentals	3
DNCE 169	Introduction to World Dance Forms	1	MAT 135	Graphic Design 1: Principles	3
DNCE 176	Modern Dance I	1.5	MAT 150	Animation and Interactivity	3
DNCE 178	Modern Dance II	1.5	MTEC 110	Recording Arts I	2
DNCE 179	Musical Theatre Dance	1-2	MTEC 111	Recording Arts II	2
DNCE 185	Choreography I	3	MTEC 120	Digital Audio Production I	2
DNCE 191	Tap Dance I	1.5	MTEC 140	Sound Reinforcement I	2
DNCE 193	Tap Dance II	1.5	MTEC 141	Sound Reinforcement II	2
DNCE 201	Contemporary Dance Production II	1.5	MTEC 210	Recording Arts III	2
DNCE 202	Contemporary Dance Production III	1.5	MTEC 211	Recording Arts IV	2
DNCE 203	Contemporary Dance Production IV	1.5	MTEC 220	Digital Audio Production II	2
DNCE 204	Classical Dance Production I	1.5	MUS 100	Introduction to Music Theory	3
DNCE 205	Classical Dance Production II	1.5	MUS 101	Music Theory I	3
DNCE 206	Classical Dance Production III	1.5	MUS 102	Music Theory II	3
DNCE 207	Classical Dance Production IV	1.5	MUS 103	Musicianship I	1
DNCE 215	Student Choreography Production II	1.5	MUS 104	Musicianship II	1
DNCE 256	Contemporary Dance II	1.5	MUS 115	Introduction to Western Music	3
DNCE 263	Contemporary Dance Workshop and Performance A	1.5	MUS 120	Piano I	1
DNCE 264	Contemporary Dance Workshop and Performance B	1.5	MUS 121	Piano II	1
DNCE 268	Jazz Dance IV	1.5	MUS 129	Piano for Music Majors	1
DRAM 105	Introduction to Theatre	3	MUS 131	Guitar II	1
DRAM 107	Introduction to Design for Performance	3	MUS 144	Applied Music I	1.5
DRAM 110	Voice and Diction	3	MUS 150A	Contemporary Big Band I	1
DRAM 123	Script Analysis for Performance and Design	3	MUS 150B	Contemporary Big Band II	1
DRAM 126	Shakespearean Acting Lab	1	MUS 152A	Small Group Jazz Ensemble I	1.5
DRAM 130	Acting I	3	MUS 152B	Small Group Jazz Ensemble II	1.5
DRAM 131	Audition Preparation for the Stage	2	MUS 161	Masterworks Chorale	1
DRAM 134	Introduction to Performance	3	MUS 164	Musical Theater Ensemble	1
DRAM 141	Stage Lighting	3	MUS 165	Chamber Choir	2
DRAM 146	Introduction to Stage Costume	3	MUS 166A	Vocal Jazz Ensemble I	1.5
DRAM 148	Acting for the Camera	3	MUS 166B	Vocal Jazz Ensemble II	1.5
DRAM 226	Advanced Performance Lab	1	MUS 170	Symphony Orchestra	1
DRAM 227	Dramatic Improvisation	1	MUS 201	Advanced Music Theory	3
DRAM 231	Acting II	3	MUS 203	Advanced Musicianship	1
DRAM 232	Movement for the Stage	2	MUS 244	Applied Music II	1.5
DRAM 253	Stage Makeup	3	MUS 250A	Contemporary Big Band III	1
DRAM 256	Stagecraft	3	MUS 250B	Contemporary Big Band IV	1
DRAM 270	Rehearsal and Performance - Technical Theatre	1-3	MUS 252A	Small Group Jazz Ensemble III	1.5
DRAM 271	Rehearsal and Performance – Acting	1-3	MUS 252B	Small Group Jazz Ensemble IV	1.5
DRAM 272	Rehearsal and Performance – Musical Theatre	1-3	MUS 253	Jazz/Commercial Improvisation	2
ENGL 280	Creative Writing	3	MUS 266A	Vocal Jazz Ensemble III	1.5
FILM 101	Introduction to Film	3	MUS 266B	Vocal Jazz Ensemble IV	1.5

Liberal Arts with an Area of Emphasis in Mathematics 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.

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.

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.

ANTH 101	Biological Anthropology	3
or ANTH 101H	Biological Anthropology (Honors)	
ANTH 101L	Biological Anthropology Laboratory	1
ANTH 105	Evolution of Human Behavior	3
ANTH 190	Primate Behavior and Ecology	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 107	Introductory Biology: Marine Biology	4

BIO 108	Introductory Biology: Ecology of the Oceans	3
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/BTEC 180	Biostatistics	4
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
BUS 204	Business Statistics	3
CHEM 100	Introductory Chemistry	4
or CHEM 100H	Introductory Chemistry (Honors)	
CHEM 102	Introduction to Organic and Biological Chemistry	4
CHEM 104	Chemistry of Living Things (Introduction to General, Organic, and Biochemistry)	5
CHEM 108	Preparatory Chemistry	4
CHEM 110	General Chemistry	5
or CHEM 110H	General Chemistry (Honors)	
CHEM 111	General Chemistry	5
or CHEM 111H	General Chemistry (Honors)	
CHEM 210	Organic Chemistry I	5
or CHEM 210H	Organic Chemistry I (Honors)	
CHEM 211	Organic Chemistry II	5
or CHEM 211H	Organic Chemistry II (Honors)	
CSIT 123	Introduction to Applied 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
or GEOL 101LH	Physical Geology Laboratory (Honors)	
HORT 116	Plant Science	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	4

MATH 126	Pre-Calculus I: College Algebra	4
MATH 131	Pre-Calculus II: Trigonometry and Analytic Geometry	4
MATH 150 or MATH 150H	Calculus and Analytic Geometry I Calculus and Analytic Geometry (Honors)	5
MATH 155	Calculus and Analytic Geometry II	4
MATH 226	Discrete Mathematics	4
MATH 260 or MATH 260H	Calculus and Analytic Geometry III Calculus and Analytic Geometry III (Honors)	4
MATH 265	Differential Equations	4
MATH 270	Linear Algebra	4
NUTR 100 or NUTR 100H	Nutrition Today Nutrition Today (Honors)	3
OCEA 101 or OCEA 101H	Introduction to Oceanography Introduction to Oceanography (Honors)	3
OCEA 101L	Introductory Oceanography Laboratory	1
PHSN 101	Fundamentals of Physical Science	3
PHSN 106	Energy, Motion, and Matter: An Introduction to Physics and Chemistry	3
PHSN 108 or PHSN 108H	Introduction to Climate Change Introduction to Climate Change (Honors)	3
PHYS 111	Introductory Physics I	4
PHYS 112	Introductory Physics II	4
PHYS 151 or PHYS 151H	Principles of Physics I Principles of Physics I (Honors)	4
PHYS 152 or PHYS 152H	Principles of Physics II Principles of Physics II (Honors)	4
PHYS 253 or PHYS 253H	Principles of Physics III Principles of Physics III (Honors)	4
PSYC/SOC 104 or PSYC/SOC 104H	Statistics for Behavioral Science Statistics for Behavioral Science (Honors)	4
PSYC 260	Physiological Psychology	3

Liberal Arts with an Area of Emphasis in Multicultural Studies

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.

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 or ANTH 102H	Cultural Anthropology Cultural Anthropology (Honors)	3
ANTH 104	Native American Cultures	3
ART 290	Landmarks of Art	3
BUS 160	International Business	3
CHLD 210	Child, Family, and Community	3
CHLD 235	Children in a Diverse Society	3
CHNS 101	Elementary Chinese (First Semester)	4
CHNS 102	Elementary Chinese (Second Semester)	4
CHNS 121	Introduction to Chinese Culture	3
CHNS 201	Intermediate Chinese (Third Semester)	4
COMM 135	Gender Studies in Communication	3
COMM 215	Intercultural Communication	3
DNCE 104	Dance on Film	3
DNCE 105	Dance Cultures of the World	3
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
FILM 212	Women and Film: Representation and Impact	3
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	Origins of Western Culture	3
or HIST 103H	Origins of Western Culture (Honors)	
HIST 104	Modern Western Culture	3
or HIST 104H	Modern Western 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
HIST 142	Mexican American History Since 1877	3
HIST 145	African American History to 1877	3
HIST 146	African American History Since 1877	3
HUMN 101	Introduction to the Arts	3
or HUMN 101H	Introduction to the Arts (Honors)	
HUMN 250	American Studies: First Contact Through the Civil War	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 104	Elementary Italian for Spanish speakers (Second Semester)	4
ITAL 121	Introduction to Italian Culture	3
ITAL 201	Intermediate Italian (Third Semester)	4
ITAL 202	Intermediate Italian (Fourth Semester)	4
ITAL 210	Intermediate Italian Conversation and Reading	3
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

LIT 251	American Literature: Mid-1800s to the Present	3
LIT 270	World Literature to 1600	3
LIT 271	World Literature Since 1600	3
MUS 113	The Music of Multicultural 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
RELG 105	Eastern Religions	3
SOC 105	Introduction to Justice Studies	3
SOC 110	Comparative Cultures	3
SOC 120	Introduction to Women's Studies	3
SOC 130	Introduction to Gender Studies	3
SOC 140	Introduction to LGBT Studies	3
SOC 207	Race and Ethnic Relations	3
SOC 230	Introduction to Chicana/o Studies	3
SOC 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 203	Spanish for Native Speakers	4
SPAN 205	Hispanic Film, Literature, and Composition	3
SPAN 210	Intermediate Conversation and Reading	3

Liberal Arts with an Area of Emphasis in 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.

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
ANTH 190	Primate Behavior and Ecology	3
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 207	Interpersonal Communication	3
COMM 212	Argumentation	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
ENGL 100	Composition and Reading	4
ENGL 201	Critical Thinking, Composition, and Literature	4
or ENGL 201H	Critical Thinking, Composition, and Literature (Honors)	
ENGL 202	Critical Thinking and Composition	4
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
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 Western Culture	3
or HIST 104H	Modern Western 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
HIST 142	Mexican American History Since 1877	3
HIST 145	African American History to 1877	3
HIST 146	African American History Since 1877	3
HIST 165	California History	3
NUTR 108	Cultural Aspects of Foods and Nutrition	3
PHIL 100	Informal Logic and Critical Thinking	3
PLSC 101	Introduction to Political Science	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
or PSYC 101H	General Psychology (Honors)	
PSYC/SOC 103	Social Psychology	3
PSYC/SOC 104	Statistics for Behavioral Science	4
or PSYC/SOC 104H	Statistics for Behavioral Science (Honors)	
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 211	Learning and Behavior Modification	3
PSYC 205	Research Methods in Psychology	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)	

Areas of Study & Courses

SOC 102	Contemporary Social Problems	3
SOC 105	Introduction to Justice Studies	3
SOC 110	Comparative Cultures	3
SOC 120	Introduction to Women's Studies	3
SOC 130	Introduction to Gender Studies	3
SOC 140	Introduction to LGBT Studies	3
SOC 205	Introduction to Research Methods in Sociology	3
SOC 207	Race and Ethnic Relations	3
SOC 230	Introduction to Chicana/o Studies	3
SOC 240	Introduction to Black 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, and within the workforce. Among the more essential of these skills is the ability to do the following:

- ▶ Access library materials using an online catalog and electronic databases.
- ▶ Access and use information from a variety of sources and in various formats.
- ▶ Develop and implement a research strategy.
- ▶ Evaluate print and non-print sources.
- ▶ Communicate an understanding of the information gathered.

Contact Information

Chair: Richard Ma
Dean: Mario Valente
www.miracosta.edu/LIBR

Department: Library Science
Office: Building OC1200,
760.795.6637

Full-Time Faculty

Steven Deineh
Richard Ma
Lauren McFall

Jennifer Paris
Pamela Perry
Glorian Sipman

Courses

LIBR 101: College Research Skills

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. (1601.00)

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the nature of research and the library's role in research. It emphasizes the development of information competency skills (the ability to find, evaluate, and organize information) for papers, presentations, and other research assignments. Students learn about a variety of information resources, including print, electronic databases, and the World Wide Web.

LIBR 201: Research in the Digital Age

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in LIBR 201H.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1601.00)

Course Typically Offered: To be arranged

This course explores the complex digital information landscape and teaches students critical research skills for the online environment. Students employ multiple Web technologies and advanced search strategies to navigate, assess, and communicate information from diverse sources and formats. The course covers appropriate sources for academic research, responsible and ethical uses of information, and formulating and executing effective research strategies. UC CREDIT LIMITATION: Credit for LIBR 201 or LIBR 201H.

LIBR 201H: Research in the Digital Age (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. (1601.00)

Course Typically Offered: Fall

This honors course gives highly motivated students the opportunity to explore the complex digital information landscape and teaches students critical research skills necessary for scholarly inquiry. Students employ multiple Web technologies 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. (1601.00)

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: John Kirwan(Letters, Transfer)

Dean: Dana Smith

www.miracosta.edu/LING

Department: Letters, Transfer

Office: Administration

Building, San Elijo Campus,
760.634.7879

Courses

LING 110: English Language Structure and Function

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. (1501.10)

Course Typically Offered: Fall

This course familiarizes students with the grammatical patterns of English structure. The content includes study of parts of speech, the structure of phrases and clauses, and the application of structural knowledge of the language to issues that arise in real-world usage. It is designed for students seeking a multiple-subject teaching credential.

Literature

The Letters Department offers a variety of literature courses for students who wish to satisfy a humanities general education requirement.

Contact Information

Chair: John Kirwan(Letters, Transfer)

Dean: Dana Smith

www.miracosta.edu/LIT

Department: Letters, Transfer

Office: Administration

Building, San Elijo Campus,
760.634.7879

Full-Time Faculty

Daniel Ante-Contreras

Anthony Burman

Zulema Diaz

Maria Figueroa-Chacon

Susan Herrmann

Jade Hidle

José Jara

Jeff Keehn

John Kirwan

Curry Mitchell

Jane Mushinsky

Dara Perales

Violeta Sanchez

Jim Sullivan

Chad Tsuyuki

Courses

LIT 120: Introduction to Literature

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. (1503.00)

Course Typically Offered: Fall, Spring, and Summer

This course provides a general introduction to literary genres—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 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.

Advisory: ENGL 100.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1503.00)

Course Typically Offered: Fall

This course explores America's major writers and literary movements from first contact through the Civil War. Topics include contact and Native American literature, colonial, revolutionary and New Republic writing, the literature of antebellum reform, and the American Renaissance.

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.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1503.00)

Course Typically Offered: Spring

This course explores America's major writers and literary movements from 1870 to the present. Authors studied may include Twain, Chesnut, James, Chopin, Hurston, Wharton, Crane, O'Neill, Cather, Hughes, Hemingway, Ellison, Faulkner, Stevens, Plath, O'Connor, Baldwin, Rich, Ginsberg, Kushner, Viramontes, Parks, Silko and Morrison.

LIT 260: English Literature Through the 18th Century

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 260H.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1503.00)

Course Typically Offered: Fall

This course surveys writers in English literature from the Anglo-Saxon era to the 18th 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.

LIT 260H: English Literature Through the 18th Century (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 260.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1503.00)

Course Typically Offered: Fall

This honors course allows serious students to delve more deeply into British literature from the Anglo-Saxon era to the 18th 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.

LIT 261: English Literature: Romantic to Contemporary

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 261H.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1503.00)

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.

LIT 261H: English Literature: Romantic to Contemporary (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 261.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1503.00)

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.

LIT 265: Shakespeare Studies

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 265H.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1503.00)

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, ENGL 50, ESL 150, 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. (1503.00)

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, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1503.00)

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.

LIT 271: World Literature Since 1600

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. (1503.00)

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.

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. (1503.00)

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.

LIT 298: Directed Study in Literature

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1503.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

Massage Therapy



Massage therapy is manual manipulation of soft body tissues (muscle, connective tissue, tendons, and ligaments) to enhance a person's health and well-being.

People seek massage therapy for a variety of reasons, such as to reduce stress and anxiety, relax muscles, rehabilitate injuries, reduce pain, and promote overall health and wellness.

At MiraCosta College, students learn how to provide massage therapy as a healthcare professional. Graduates of the program seek employment in a variety of settings, such as physician offices, health and wellness centers, hotels and resorts, physical therapy centers, rehabilitation clinics and hospitals, sports organizations, day spas, cruise ships, and private practice.

The Massage Therapy certificates meet state [California Massage Therapy Council (CAMTC)] and national [National Certification Board for Therapeutic Massage and Bodywork (NCTMB)] requirements. After graduation students are encouraged to take the Massage and Bodywork Licensing Examination (MBLEx) as part of their requirement to obtain a massage therapy license.

Contact Information

Chair: Gail Meinhold

Dean: Al Taccone

www.miracosta.edu/

instruction/massagetherapy/

Department: Kinesiology,
Health and Nutrition

Office: Building 4800,
760.795.6811

Certificates

Certificate of Achievement

Holistic Health Practitioner (1000 Hours)

The Holistic Health Practitioner (HHP) 1000-hour certificate program satisfies the California Massage Therapy Council (CAMTC) and National Certification Board for Therapeutic Massage & Bodywork (NCTMB) requirements to be certified as a HHP. Based upon the medical model, the program requires advanced knowledge of body systems (anatomy, physiology, and kinesiology), pathology, massage and bodywork assessment, theory and application, including in-class and supervised practice, and business and ethics.

After receiving the HHP certificate, students can take the Massage and Bodywork Licensing Exam (MBLEx) to receive CAMTC certification. For both CAMTC and NCTMB certifications, applicants must be 18 years old and have completed the entire 1000-hours. Graduates of the program seek self-employment in a private practice or can expect employment in health and wellness centers, hotels and resorts, physical therapy centers, rehabilitation clinics and hospitals, sports organizations, spas, and cruise ships.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, students will be able to demonstrate advanced bodywork techniques when performing massage strokes, including a massage for pain reduction and an Asian style massage. Instructors will evaluate the student using proper techniques and body mechanics.

Required courses:

MASG 110	Therapeutic Massage Foundation	3
MASG 210	Therapeutic Massage Development	3
MASG 215	Massage Clinical Practicum	3
MASG 218	Chair Massage and Aromatherapy	3
MASG 220	Sports Massage	3
MASG 230	Therapeutic Massage Integration	3
MASG 240	Therapeutic Massage Implementation	3
MASG 250	Therapeutic Massage for Special Populations	3
MASG 260	Therapeutic Massage for Pain Management	3
BUS 130	Entrepreneurship and Small Business Management	3
HEAL 222	Stress Management	3
KINE 190	Introduction to Kinesiology	3
KINE 203	Techniques in Athletic Training	3
NURS 155	Basic Medical Terminology	3
NUTR 100	Nutrition Today	3
or NUTR 100H	Nutrition Today (Honors)	
or NUTR 105	Human Performance and Sports Nutrition	

Recommended Elective:	
MASG 292	Internship Studies
Total Units	45

**Certificate of Achievement
Massage Therapist (500 Hours)**

The Massage Therapist (500 Hours) certificate program satisfies the California Massage Therapy Council (CAMTC) and National Certification Board for Therapeutic Massage & Bodywork (NCTMB) requirements to be certified as a massage therapist by requiring 500 hours of instruction. Based upon the medical model, the program requires comprehensive knowledge of medical terminology, anatomy, pathology, and physiology. Instruction addresses contraindications, health and hygiene, business ethics, and massage therapy techniques. After receiving the Massage Therapist certificate, students can take the Massage and Bodywork Licensing Exam (MBLEx) to receive CAMTC and NCTMB certifications, applicants must be 18 years old and have completed the entire 500 hours. The certificate provides students with the necessary theoretical background and practical experience to work in the industry. Massage therapists work in a variety of settings, such as physician offices, health and wellness centers, hotels and resorts, physical therapy centers, rehabilitation clinics and hospitals, sports organizations, day spas, cruise ships, and private practice.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, a student will be able to demonstrate advanced massage techniques when performing massage strokes, including a variety of soft tissue and myofascial release techniques.

Required courses:	
MASG 110	Therapeutic Massage Foundation 3
MASG 210	Therapeutic Massage Development 3
MASG 215	Massage Clinical Practicum 3
MASG 218	Chair Massage and Aromatherapy 3
MASG 220	Sports Massage 3
MASG 230	Therapeutic Massage Integration 3
HEAL 222	Stress Management 3
Choose one course from the following: 3	
BUS 130	Entrepreneurship and Small Business Management
KINE 203	Techniques in Athletic Training
NURS 155	Basic Medical Terminology
NUTR 100	Nutrition Today
or NUTR 100H	Nutrition Today (Honors)
NUTR 105	Human Performance and Sports Nutrition
Total Units	24

Courses

MASG 110: Therapeutic Massage Foundation

Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours. (1262.00)
Course Typically Offered: Fall, Spring, and Summer

This foundation course introduces students to the history, science, and practice of massage therapy. Topics include basic anatomy and physiology as they relate to massage therapy as well as professional standards expected of massage therapists. Students practice giving massages using beginning strokes and proper sanitation, hygiene, and body mechanics.

MASG 210: Therapeutic Massage Development

Units: 3
Prerequisites: MASG 110.
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours. (1262.00)
Course Typically Offered: Fall, Spring, and Summer

Students analyze and evaluate anatomical structures and assess common pathology. The course includes intermediate massage theory, methods and procedures of soft tissue techniques, and contraindications. It provides students with the necessary skills and knowledge to obtain employment in the medical massage and spa field.

MASG 215: Massage Clinical Practicum

Units: 3
Prerequisites: MASG 210.
Advisory: BIO 210 or BIO 210H.
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours. (1262.00)
Course Typically Offered: Fall, Spring

This course provides the clinical practice for massage therapy. Students focus on advanced therapeutic massage techniques, business practices, massage marketing, ethics, and clinic procedures of massage experience. (Formerly HEAL 215.)

MASG 218: Chair Massage and Aromatherapy

Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours. (1262.00)
Course Typically Offered: Fall, Spring, and Summer

In this chair massage and aromatherapy course, students learn and practice chair massage and aromatherapy techniques. Topics include physiological effects and health benefits, related anatomy, body mechanics, contraindications, precautions, and safety. Students are required to demonstrate a proper chair massage and aromatherapy session.

MASG 220: Sports Massage

Units: 3

Prerequisites: MASG 110.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (1262.00)

Course Typically Offered: Fall, Spring

This advanced massage course builds on the concepts and practices of HEAL 210 and specifically covers massage techniques and evaluation procedures for providing massage to athletes. It focuses on the athlete's condition, anatomy, and sport. Topics include muscles and movement, common sports injuries, basic postural analysis, contraindications, and sport massage techniques. (Formerly HEAL 220.)

MASG 230: Therapeutic Massage Integration

Units: 3

Prerequisites: MASG 110.

Advisory: MASG 210.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (1262.00)

Course Typically Offered: Fall, Spring

This course introduces students to advanced massage theory, methods, and procedure of soft tissue techniques and contraindications. It builds on anatomy, physiology, and pathology related to massage therapy. Students are also introduced to traditional Asian and energy-based bodywork. Theories of the mind/body interface are drawn from recent scientific research and students study and practice Shiatsu, Tai Chi, acupressure, reflexology, and other Asian bodywork therapies.

MASG 240: Therapeutic Massage Implementation

Units: 3

Prerequisites: MASG 210.

Advisory: MASG 230.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (1262.00)

Course Typically Offered: Fall, Spring

This advanced hands-on massage therapy course expands upon body systems relevant to massage. It covers ethics, pathology, and pharmacology related to massage and introduces students to other therapeutic modalities, providing students with the advanced knowledge and skills to be able to set up a client-centered massage therapy practice.

MASG 250: Therapeutic Massage for Special Populations

Units: 3

Prerequisites: MASG 210.

Advisory: MASG 230 and MASG 240.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (1262.00)

Course Typically Offered: Fall or Spring

In this massage for special populations course, students develop treatment plans and perform indicated massage techniques for prenatal, pediatric, and geriatric populations along with massage for critically ill populations and clients with disabilities.

MASG 260: Therapeutic Massage for Pain Management

Units: 3

Prerequisites: MASG 210.

Advisory: MASG 230 and MASG 240.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (1262.00)

Course Typically Offered: Fall or Spring

This class prepares students to work with clients who suffer from specific pain and dysfunction resulting from disorders such as chronic low back pain, migraine headaches, carpal tunnel syndrome, sciatica pain, and other specific medical conditions. Students learn how to apply various bodywork modalities to specific functional and structural pathologies of the body.

MASG 292: Internship Studies

Units: 0.5-3

Prerequisites: None

Corequisite: Complete 75 hrs paid or 60 hrs non-paid work per unit.

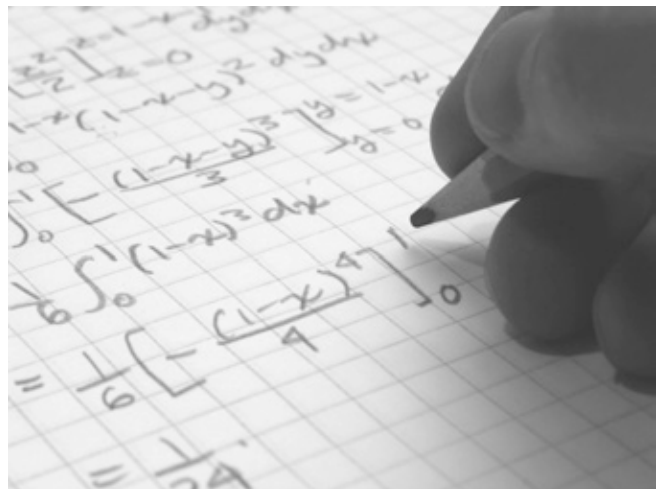
Enrollment Limitation: Instructor, dept chair, and Career Center approval. May not enroll in any combination of cooperative work experience and/or internship studies concurrently.

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.

Mathematics



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.

Contact Information

Chair: Beth Powell
Dean: Michael Fino
 www.miracosta.edu/MATH

Department: Mathematics
Office: Building OC3600,
 760.757.2121 x6924

Full-Time Faculty

Janeen Apalatea
 Peter Avery
 Angela Beltran
 David Bonds
 Keith Dunbar
 Scott Fallstrom
 Shawn Firouzian
 Nolan Fossum
 Julie Harland
 Mary Beth Headlee

Mark Laurel
 Apolinar Mariscal
 Shannon Myers
 Lemee Nakamura
 Victoria Noddings
 Zikica Perovic
 Brent Pickett
 Beth Powell
 Leila Safaralian

Courses

MATH 20: Pre-Algebra

Units: 4
 Prerequisites: None
 Lecture 4 hours. (1701.00)
 Course Typically Offered: Fall, Spring, and Summer

This course prepares students for Elementary Algebra (MATH 30). Topics include operations on positive and negative numbers; fractions, decimals, and percents; perimeters, areas, and volumes of geometric figures; fundamental algebraic concepts; square roots; and applications.

MATH 28: Math Fundamentals for Statistics I

Units: 4
 Prerequisites: None
 Enrollment Limitation: Not open to students with prior credit in MATH 52.
 Lecture 3.50 hours, laboratory 1.50 hours. (1701.00)
 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. This course is a prerequisite for MATH 95; completion of both MATH 28 and MATH 95 can serve as the equivalent to the prerequisite for BIO 180, BTEC 180, BUS 204, MATH 103, SOC 104, SOC 104H, PSYC 104, or PSYC 104H. This course is not a prerequisite for CHEM 108, MATH 105, MATH 115, MATH 126, or any college or university calculus course. (Formerly MATH 52) (Materials Fee: \$20.00)

MATH 30: Elementary Algebra

Units: 4
 Prerequisites: MATH 20, MATH 28, or eligibility determined by the math placement process.
 Lecture 4 hours. (1701.00)
 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 or concurrent enrollment in MATH 296-1.
 Enrollment Limitation: Not open to students with prior credit in MATH 101 or MATH 101B.
 Lecture 4 hours. (1701.00)
 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 95: Math Fundamentals for Statistics II

Units: 4
 Prerequisites: MATH 28, MATH 30, or eligibility determined by the math placement process.
 Lecture 3.50 hours, laboratory 1.50 hours. (1701.00)
 Course Typically Offered: Spring

This course covers the fundamentals of logic, including conditional statements and arguments; 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. Completion of MATH 95 can serve as the equivalent to the prerequisite for BIO 180, BTEC 180, BUS 204, MATH 103, SOC 104, SOC 104H, PSYC 104, or PSYC 104H. This course is not a prerequisite for ECON 101, ECON 102, CHEM 108, MATH 105, MATH 115, MATH 126, or any college or university calculus course. (Materials Fee: \$20.00)

MATH 103: Statistics

Units: 4
 Prerequisites: MATH 64 or MATH 95 or eligibility determined by the math placement process.
 Acceptable for Credit: CSU, UC
 Lecture 4 hours. (1701.00)
 Course Typically Offered: Fall, Spring, and Summer

This course introduces data analysis. Topics include data collection, descriptive statistics, probability, sampling, estimation, significance testing, and correlation and regression. Students use appropriate technology to analyze real-world data. UC CREDIT LIMITATION: Credit for BUS 204, MATH 103, PSYC 104/SOC 104, PSYC 104H/SOC 104H, or BIO 180/BTEC 180. Some CSU campuses may also impose this credit limitation.

MATH 105: Concepts and Structures of Elementary Mathematics I

Units: 3

Prerequisites: MATH 64 or eligibility determined by the math placement process.

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (1701.00)

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. (1701.00)

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 or eligibility determined by the math placement process.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1701.00)

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: 4

Prerequisites: MATH 64 or eligibility determined by the math placement process.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (1701.00)

Course Typically Offered: Fall, Spring, and Summer

This course relates calculus to real-world applications in social science, economics, and business. Topics include an 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 150, or MATH 150H. C-ID MATH-140.

MATH 126: Pre-Calculus I: College Algebra

Units: 4

Prerequisites: MATH 64 or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in MATH 135.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (1701.00)

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, MATH 131, and MATH 135 combined, maximum credit, 5 units.

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 135.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (1701.00)

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 and polar coordinates. The course also covers conics, systems of non-linear equations, and sequences and series. UC CREDIT LIMITATION: MATH 126, MATH 131, and MATH 135 combined, maximum credit, 5 units.

MATH 150: Calculus and Analytic Geometry I

Units: 5

Prerequisites: MATH 131 or MATH 135 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. (1701.00)

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, trigonometric, 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 150 or MATH 150H. C-ID MATH-211.

MATH 150H: Calculus and Analytic Geometry (Honors)

Units: 5

Prerequisites: MATH 131 or MATH 135 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. (1701.00)

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, trigonometric, 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 150, or MATH 150H. C-ID MATH-211.

MATH 155: Calculus and Analytic Geometry II

Units: 4

Prerequisites: MATH 150 or MATH 150H.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (1701.00)

Course Typically Offered: Fall, Spring, and Summer

This second course in a three-semester calculus sequence covers advanced integration techniques, improper integrals, infinite series, conic sections, parametric equations, and polar coordinates. The course is designed for mathematics, science, and engineering majors.

MATH 226: Discrete Mathematics

Units: 4

Prerequisites: MATH 131 or MATH 135 or eligibility determined by the math placement process.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (1701.00)

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, 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.

MATH 260: Calculus and Analytic Geometry III

Units: 4

Prerequisites: MATH 155.

Enrollment Limitation: Not open to students with prior credit in MATH 260H.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (1701.00)

Course Typically Offered: Fall, Spring

This third course in a three-semester calculus sequence covers vectors in two and three space, quadratic surfaces, vector-valued functions of several variables, partial differentiation and multiple integration, vector fields, and 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.

MATH 260H: Calculus and Analytic Geometry III (Honors)

Units: 4

Prerequisites: MATH 155

Enrollment Limitation: Not open to students with prior credit in MATH 260.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (1701.00)

Course Typically Offered: Fall or Spring

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.

Contact Information

Chair: Jill Malone
Dean: Al Taccone
<http://www.miracosta.edu/instruction/mat/index.html>

Department: Media Arts and Technologies
Office: Building OC4800, 760.795.6811

Full-Time Faculty

Karl Cleveland
 Leigh Cotnoir
 Jill Malone
 Jeff Uhlík

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. 58)). 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 electronic media. Students who complete this certificate will also be prepared to start their own design businesses, work as freelancers, or pursue a graphic design degree at a four-year university. Students learn the key components of 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 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 182	Web Publishing: Adobe Muse	
MAT 220	Digital Illustration 2: Advanced Illustrator	
MAT 255	Business of Media Arts	
MAT 292	Internship Studies	
Required to graduate (3 units):		3
MAT 290	Portfolio Development	
Total Units		30

Note: MAT 292, MAT 296, or MAT 298 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 240	3D Animation 2: Motionbuilder
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 255	Business of Media Arts
MAT 292	Internship Studies
FILM 101	Introduction to Film
FILM 112	Film History II: 1945-Present
MTEC 110	Recording Arts I
Required to graduate (3 units): 3	
MAT 290	Portfolio Development
Total Units 30	

Note: MAT 292, MAT 296, or MAT 298 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 Internet and mobile content design, development, and delivery. Students gain skills in all phases of website design, including page construction, site design, dynamic content delivery, e-commerce, Flash animation, web video, and Flash development for games, advertising, interactive content, and mobile content. Employment opportunities include webpage designer, website designer, information architect, interface designer, mobile content developer, web developer, Flash designer, or Flash developer.

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

6 units must be advanced 200-level courses.

MAT 150	Animation and Interactivity
MAT 175	Web Design: JavaScript and jQuery
MAT 190	Programming for Animation, Interactivity, and Games

MAT 215	Web Design: Mobile Sites and Apps
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 182	Web Publishing: Adobe Muse
MAT 255	Business of Media Arts
MAT 292	Internship Studies
Required to graduate (3 units): 3	
MAT 290	Portfolio Development
Total Units 30	

Note: MAT 292, MAT 296, or MAT 298 may be substituted for courses within this certificate with approval of the MAT Program Director.

Certificate of Proficiency Digital and Print Publishing

This certificate provides focused skills necessary to gain employment in the field of digital printing and 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, imaging specialists, digital imaging assistants, layout artists, and graphic production assistants.

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:

Select 15 units from the following:		15
MAT 110	Digital Imaging 1: Adobe Photoshop	
MAT 170	Digital Illustration 1: Adobe Illustrator	
MAT 180	Digital Publishing: Adobe InDesign	
MAT 182	Web Publishing: Adobe Muse	
MAT 210	Digital Imaging 2: Advanced Photoshop	
MAT 220	Digital Illustration 2: Advanced Illustrator	
MAT 230	Advanced Publishing: Output for Print	
MAT 255	Business of Media Arts	
Total Units		15

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
MAT 240	3D Animation 2: Motionbuilder	3
Total Units		15

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 and scripting languages, graphics production, web animation techniques, database technologies, and website architecture and design. Graduates of this program will be able to move into employment opportunities such as webpage design,

web development, Flash designer, Flash developer, content developer, and interface designer.

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 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 215	Web Design: Mobile Sites and Apps
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. (0614.00)

Course Typically Offered: Fall

The course surveys the origin and evolution of graphic design from the nineteenth century to the present day. It will explore the development and influence of graphic communication through genre, design, style, and format from historical, multi-cultural, 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

Enrollment Limitation: Not open to students with prior credit in ART 247.

Acceptable for Credit: CSU

Lecture 2.50 hours, Laboratory 1.50 hours. (0614.60)

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. (0614.10)

Course Typically Offered: Fall, Spring

This course introduces the fundamental skills needed for the design and production of multimedia projects and interactive programs. Topics include capturing and editing video, images, and audio, basic 3D modeling and animation, and interactive program design and development. The course also covers proper formats for playback through various presentation platforms and the basics of network protocol.

MAT 125: Web Design 1: Fundamentals

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2.50 hours, laboratory 1.50 hours. (0614.30)

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. (0614.10)

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. (0614.40)

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 150: Animation and Interactivity

Units: 3

Prerequisites: None

Advisory: MAT 120.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0614.40)

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. (0614.10)

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

Lecture 2.50 hours, laboratory 1.50 hours. (0614.10)

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. (0707.10)

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

Enrollment Limitation: Not open to students with prior credit in ART 248.

Acceptable for Credit: CSU

Lecture 2.50 hours, laboratory 1.50 hours. (0614.60)

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. (0707.10)

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. (0614.50)

Course Typically Offered: Fall, Spring

This course introduces students to Adobe InDesign, the page layout software program used by professional graphic artists 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 will examine, troubleshoot, and package digital files for output to a commercial press and for the Web.

MAT 182: Web Publishing: Adobe Muse

Units: 2

Prerequisites: None

Advisory: MAT 180.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours. (0614.10)

Course Typically Offered: Spring

Students learn how to use Adobe Muse to design and publish a professional, original website without learning code. Based on skills acquired in MAT 180, students develop master pages, create type styles, import and edit images, work with links, buttons, anchors, and widgets, embed HTML, develop alternate layouts for mobile devices, and publish and export their own website.

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. (0614.10)

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

Lecture 2 hours, laboratory 3 hours. (0707.10)

Course Typically Offered: Fall even years

This course emphasizes programming for interactive media, including 2D games and rich Internet applications. Students learn to code within the context of the visual arts using ActionScript, Processing, and/or JavaScript and 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. (0614.40)

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. (0614.60)

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 215: Web Design: Mobile Sites and Apps

Units: 3

Prerequisites: MAT 165.

Advisory: MAT 150.

Acceptable for Credit: CSU

Lecture 2.50 hours, laboratory 1.50 hours. (0614.30)

Course Typically Offered: Fall

This course introduces web design and development students to design considerations and development techniques for creating mobile websites and web applications. Students explore the use of web technologies, including HTML5, CSS3, JavaScript, jQuery, and Flash/ActionScript, to design and produce websites and apps optimized for delivery on mobile and tablet devices. Topics include mobile media design, understanding mobile platforms, browsers, and device capabilities, responsive design, media queries, jQuery Mobile, the PhoneGap framework, and Flash Air for Android and iOS apps.

MAT 220: Digital Illustration 2: Advanced Illustrator

Units: 3

Prerequisites: MAT 170.

Acceptable for Credit: CSU

Lecture 2.50 hours, laboratory 1.50 hours. (0614.60)

Course Typically Offered: Spring

This is an advanced course for MAT students who are planning to pursue a career in graphic design. This course builds upon concepts gained in MAT 170 and addresses advanced vector design skills for developing logos, three-dimensional packaging, signage, advertisements, business cards, digital illustrations, and vector graphics for the Web.

MAT 225: Web Design: PHP and WordPress

Units: 3

Prerequisites: None

Advisory: MAT 165.

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 3 hours. (0707.00)

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. (0614.50)

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. (0614.30)

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 240: 3D Animation 2: Motionbuilder

Units: 3

Prerequisites: None

Advisory: MAT 140.

Acceptable for Credit: CSU

Lecture 2.50 hours, laboratory 1.50 hours. (0614.40)

Course Typically Offered: Spring

This course introduces students to the advanced concepts and execution of three-dimensional character animation and rendering using Autodesk MotionBuilder, a major software used primarily in game, film, and television production. Topics include character rigging, facial and skeletal animation, forward and inverse kinematics, motion capture, 3D editing, Maya integration, and rendering considerations. The course also covers proper formats for delivery through various mediums.

MAT 255: Business of Media Arts

Units: 1

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour. (0614.00)

Course Typically Offered: Fall

This course covers business principles for the media arts industry and addresses market specialization, professional client interface, preparing proposals and contracts, and determining what to charge for graphic design and web development freelance work.

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. (0614.00)

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. (0614.00)

Course Typically Offered: Fall, Spring

Students develop a personal portfolio that showcases their media and design skills and completed projects. The portfolio's format is determined by individual student goals and current available technology. The portfolio can be used to market the student as a prospective employee of a digital media company or as a self-promotion presentation.

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. (0614.00)

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 298: Directed Study in Media Arts Technology

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (0614.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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.

Contact Information

Chair: Yvette Duncan

Dean: Sandy Comstock

www.miracosta.edu/MA

Department: Nursing and Allied Health

Office: Building OCT420,

760.757.2121 x 6466

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. 58)). 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 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:

BOT 116	Office Systems and Procedures	3
MAP 100	Introduction to Medical Administrative Careers	3
MAP 102	HIPAA Compliance	3
MAP 104	Medical Coding	3
MAP 105	Medical Insurance and Billing	3
MAP 110	Introduction to the Electronic Health Record	3
Select at least 6 elective units from the following:		6
BOT 113	Basic Office Skills	
MAP 101	Medical Keyboarding and Document Production	
MAP 150	Introduction to Patient Advocacy	
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		24

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.

Required courses:

MAP 102	HIPAA Compliance	3
MAP 104	Medical Coding	3
MAP 105	Medical Insurance and Billing	3
Select at least 3 elective units from the following:		3
MAP 110	Introduction to the Electronic Health Record	
MAP 292	Internship Studies	

NURS 155

Basic Medical Terminology

Total Units

12

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 100	Introduction to Medical Administrative Careers	3
MAP 102	HIPAA Compliance	3
MAP 110	Introduction to the Electronic Health Record	3
MAP 150	Introduction to Patient Advocacy	3
Select one course from the following:		3
MAP 101	Medical Keyboarding and Document Production	
MAP 104	Medical Coding	
MAP 105	Medical Insurance and Billing	

Total Units

15

Courses

MAP 100: Introduction to Medical Administrative Careers

Units: 3

Prerequisites: None

Lecture 3 hours. (1223.00)

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 101: Medical Keyboarding and Document Production

Units: 3

Prerequisites: None

Lecture 3 hours. (0514.20)

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 102: HIPAA Compliance

Units: 3

Prerequisites: None

Lecture 3 hours. (1223.00)

Course Typically Offered: Fall, Spring, and Summer

This course provides an easy-to-understand overview of the Health Information Portability and Accountability Act (HIPAA) privacy and security rules and compliance tasks. Students summarize the analysis, training, and technology needed to properly plan and implement privacy and security policies. The course covers what HIPAA is, what is required, what the student can do to work toward compliance, and how the student can maintain compliance on an ongoing basis.

MAP 104: Medical Coding

Units: 3

Prerequisites: None

Lecture 3 hours. (0514.20)

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 105: Medical Insurance and Billing

Units: 3

Prerequisites: None

Lecture 3 hours. (0514.20)

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 110: Introduction to the Electronic Health Record

Units: 3

Prerequisites: None

Lecture 3 hours. (0514.20)

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 150: Introduction to Patient Advocacy

Units: 3

Prerequisites: None

Lecture 3 hours. (0514.20)

Course Typically Offered: To be arranged

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. Topics include patient's rights, informed decision-making, resolving patient complaints, legal documentation, family interaction techniques, medical provider care plan development, insurance provider mediation, and other activities required for patient health maintenance and care.

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. (1208.00)

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 298: Directed Study in Medical Administrative Professional

Units: 1-3
 Prerequisites: None
 Laboratory 3 hours
 Laboratory 6 hours
 Laboratory 9 hours. (1208.00)
 Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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.

Contact Information

Chair: Dan Siegel
Dean: Jonathan Fohrman
 www.miracosta.edu/MUS

Department: Music
Office: Building OC4700,
 760.795.6844

Full-Time Faculty

Christy Coobatis
 Matthew Falker
 Arlie Langager

Dan Siegel
 Stephen Torok

Associate Degree



Associate in Arts Degree Music Performance

The study of music provides students with the opportunity to develop skills and theory in instrumental, vocal, and composition. Students select courses based on their own goals for musical growth. All students, however, need a foundation of theory, musicianship, and keyboarding proficiency.

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.

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.

Areas of Study & Courses

- ▶ Upon completion of this program, the student will be able to perform standard repertoire and demonstrate performance skills requisite for artistic self-expression at a level appropriate for the particular music concentration.

Required courses:		
Theory/History		
MUS 101	Music Theory I	3
MUS 102	Music Theory II	3
MUS 103	Musicianship I	1
MUS 104	Musicianship II	1
MUS 115	Introduction to Western Music	3
MUS 201	Advanced Music Theory	3
MUS 203	Advanced Musicianship	1
Piano		
MUS 129	Piano for Music Majors	
MUS 228	Advanced Piano	
or MUS 229	Jazz/Commercial Piano	
Individual Instruction		6
Co-enrollment in a performance ensemble and a theory course is recommended.		
MUS 144	Applied Music I	
MUS 244	Applied Music II	
Performance Ensembles (4 units to be selected from the following):		4
MUS 150A	Contemporary Big Band I	
MUS 150B	Contemporary Big Band II	
MUS 152A	Small Group Jazz Ensemble I	
MUS 152B	Small Group Jazz Ensemble II	
MUS 161	Masterworks Chorale	
MUS 165	Chamber Choir	
MUS 166A	Vocal Jazz Ensemble I	
MUS 166B	Vocal Jazz Ensemble II	
MUS 170	Symphony Orchestra	
MUS 250A	Contemporary Big Band III	
MUS 250B	Contemporary Big Band IV	
MUS 252A	Small Group Jazz Ensemble III	
MUS 252B	Small Group Jazz Ensemble IV	
MUS 266A	Vocal Jazz Ensemble III	
MUS 266B	Vocal Jazz Ensemble IV	
Required Electives (Students should select Option 1 or Option 2 based on their interest of study following transfer):		2
Option 1-Classical Performance		
MUS 131	Guitar II	
MUS 141	Vocal Fundamentals	
MUS 228	Advanced Piano	
MUS 241	Advanced Vocal Techniques	
Option 2-Jazz/Commercial Performance		
MUS 119	Jazz History	
MUS 231	Guitar III	
MUS 253	Jazz/Commercial Improvisation	
Total Units		29

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.

Applied Music CRC

MUS 144	Applied Music I
MUS 244	Applied Music II

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
MUS 231	Guitar III

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

Other Ensembles CRC

MUS 161	Masterworks Chorale
MUS 164	Musical Theater Ensemble
MUS 165	Chamber Choir
MUS 170	Symphony Orchestra

Piano CRC

MUS 120	Piano I
MUS 121	Piano II
MUS 129	Piano for Music Majors
MUS 228	Advanced Piano
MUS 229	Jazz/Commercial Piano

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. (1004.00)

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.

MUS 101: Music Theory I

Units: 3

Prerequisites: MUS 100.

Advisory: Concurrent enrollment in MUS 103, MUS 129, MUS 144 or appropriate level piano class.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1004.00)

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.

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. (1004.00)

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. 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.

MUS 103: Musicianship I

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (1004.00)

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.

MUS 104: Musicianship II

Units: 1

Prerequisites: MUS 103.

Corequisite: MUS 102.

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (1004.00)

Course Typically Offered: Fall

This course provides continued ear training for both the major and non-major and is strongly recommended for students enrolled in theory classes. 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.

MUS 113: The Music of Multicultural America

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1004.00)

Course Typically Offered: Fall, Spring, and Summer

This course surveys a variety of American music genres, from their roots in the music traditions of native and immigrant groups to their evolution into distinctively new music styles. Students analyze musical heritage through the perspective of social, cultural, and historical context. Students are required to attend at a live musical performance.

MUS 114: History of Rock and Roll

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1004.00)

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: Introduction to Western Music

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in MUS 115H, MUS 117, or MUS 118.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1004.00)

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 upon art and music. Students are required to attend live classical music performances.

MUS 116: A Survey of World Music

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1004.00)

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. Students are required to attend live world music performances.

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. (1004.00)

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 the artists responsible for its creation. Students gain an understanding of basic and jazz-specific musical concepts as well as the rich history of this purely American music. The course emphasizes listening. Students are required to attend live jazz performances. 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. (1004.00)

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 the 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, and other influences upon the development of jazz. Students are required to attend live jazz performances. 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 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. (1004.00)

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 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. (1004.00)

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 129: Piano for Music Majors

Units: 1

Prerequisites: None

Advisory: MUS 100.

Enrollment Limitation: Maximum of four enrollments among MUS 120, MUS 121, MUS 129, MUS 228, MUS 229. NOTE: No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (1004.00)

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 level-appropriate piano repertoire in classical and jazz/contemporary styles, and they are required to attend a live professional piano performance.

MUS 130: Guitar I

Units: 1

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 0.50 hour, laboratory 1.50 hours. (1004.00)

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. (1004.00)

Course Typically Offered: Fall odd years

This course focuses on intermediate-level note reading abilities, technical studies in chord progression types, transposition, blues improvisation, and chord voicing in song arrangements. It includes case-study project songs spotlighting chord progressions in various positions and common chord/bass line patterns. Song materials primarily feature 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. (1004.00)

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 144: Applied Music I

Units: 1.5

Prerequisites: None

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Lecture 1 hour, laboratory 1.50 hours. (1004.00)

Course Typically Offered: Fall, Spring

This course is the first year of advanced performance techniques for music majors. Instrumentalists and vocalists focus on classical or jazz/commercial technique, performance practice, and repertoire. Students receive individual instruction from master teachers, coordinated with performances and recitals. Students are required to attend live performances. (May be repeated once.)

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. (1004.00)

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 performances.

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. (1004.00)

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 performances.

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. (1004.00)

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 performances and events.

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

Laboratory 4.50 hours. (1004.00)

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 performances and events.

MUS 161: Masterworks Chorale

Units: 1

Prerequisites: None

Enrollment Limitation: Audition and 8 units in any combination of MUS 150, MUS 152, MUS 161, MUS 164, MUS 165, MUS 166, MUS 170, MUS 175 with a four-enrollment maximum per course.

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (1004.00)

Course Typically Offered: Fall, Spring

In preparation for performance, students work to advance music literacy skills, build vocal and choral strength, accuracy, and flexibility appropriate for the study of varied major choral works. The Masterworks Chorale is a selective ensemble open to students of all disciplines and community members by audition. Over the course of several semesters of participation, members perform accompanied and a cappella music representing a broad spectrum of history, and they may perform with orchestra or other instrumental ensembles. (May be repeated; see Repeatability Rule above.)

MUS 164: Musical Theater Ensemble

Units: 1

Prerequisites: None

Enrollment Limitation: Audition and 8 units in any combination of MUS 150, MUS 152, MUS 161, MUS 164, MUS 165, MUS 166, MUS 170, MUS 175 with a four-enrollment maximum per course.

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (1004.00)

Course Typically Offered: Spring

This course represents the musical component of college's musical theater production. The singing cast is selected by audition. (May be repeated; see Repeatability Rule above.)

MUS 165: Chamber Choir

Units: 2

Prerequisites: None

Enrollment Limitation: Audition and 8 units in any combination of MUS 150, MUS 152, MUS 161, MUS 164, MUS 165, MUS 166, MUS 170, MUS 175 with a four-enrollment maximum per course.

Acceptable for Credit: CSU, UC

Lecture 1 hour, laboratory 3 hours. (1004.00)

Course Typically Offered: Fall or Spring

This performance group studies traditional and contemporary music through choral ensemble rehearsal and performance. Students are required to participate in on- and off-campus performances as well as concert tours. (May be repeated; see Repeatability Rule above.)

MUS 166A: Vocal Jazz Ensemble I

Units: 1.5

Prerequisites: None

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. (1004.00)

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: Audition and 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. (1004.00)

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 170: Symphony Orchestra

Units: 1

Prerequisites: None

Enrollment Limitation: Audition and 8 units in any combination of MUS 150, MUS 152, MUS 161, MUS 164, MUS 165, MUS 166, MUS 170, MUS 175 with a four-enrollment maximum per course.

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (1004.00)

Course Typically Offered: Fall, Spring

This performance group concentrates on the preparation and performance of symphonic orchestral literature from the 17th century to the present. 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 performances. (May be repeated; see Repeatability Rule above.)

MUS 201: Advanced Music Theory

Units: 3

Prerequisites: MUS 102.

Corequisite: MUS 203.

Advisory: Concurrent enrollment in MUS 129 or appropriate level piano class.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1004.00)

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 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.

MUS 203: Advanced Musicianship

Units: 1

Prerequisites: MUS 104.

Corequisite: MUS 201.

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (1004.00)

Course Typically Offered: Spring

This course provides advanced ear training for music majors, developing ear training skills needed for the study of music theory. 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.

MUS 228: Advanced Piano

Units: 1

Prerequisites: MUS 129.

Enrollment Limitation: Audition if prerequisite not met. Maximum of four enrollments among MUS 120, MUS 121, MUS 129, MUS 228, MUS 229. NOTE: No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (1004.00)

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.

MUS 229: Jazz/Commercial Piano

Units: 1

Prerequisites: MUS 129.

Advisory: MUS 152 or MUS 153.

Enrollment Limitation: Audition if prerequisite not met. Maximum of four enrollments among MUS 120, MUS 121, MUS 129, MUS 228, MUS 229. NOTE: No course within this grouping is repeatable.

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (1004.00)

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 231: Guitar III

Units: 1

Prerequisites: MUS 131.

Enrollment Limitation: Audition if prerequisite not met.

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (1004.00)

Course Typically Offered: Spring odd years

This course explores intermediate-advanced level plectrum style guitar techniques, focusing on jazz and commercial musical styles. Topics include accompaniment styles, improvisation using scales and arpeggio patterns combined with a knowledge of chord-scale relationships, reading chord charts and melody lines, and performance of a continually expanding repertoire.

MUS 241: Advanced Vocal Techniques

Units: 1

Prerequisites: MUS 141.

Enrollment Limitation: Audition if prerequisite not met.

Acceptable for Credit: CSU, UC

Laboratory 3 hours. (1004.00)

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. Students are required to attend a live vocal performance.

MUS 244: Applied Music II

Units: 1.5

Prerequisites: MUS 144.

Enrollment Limitation: Audition.

Acceptable for Credit: CSU, UC

Lecture 1 hour, laboratory 1.50 hours. (1004.00)

Course Typically Offered: Fall, Spring

This course is a continuation MUS 144 and offers advanced performance techniques for music majors. Instrumentalists and vocalists focus on classical or jazz/commercial technique, performance practice, and repertoire. Students receive individual instruction from master teachers, coordinated with performances and recitals. Students are required to attend live performances. (May be repeated once.)

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. (1004.00)

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 performances. Third level of four semester enrollments.

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. (1004.00)

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, and correct intonation. Students develop improvisational skills and are required to attend both on- and off-campus performances.

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. (1004.00)

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 performances and events.

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. (1004.00)

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 performances and events.

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. (1004.00)

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. (Formerly MUS 153)

MUS 260: Songwriting

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours. (1005.00)

Course Typically Offered: Spring

Students study and apply the skills necessary for popular songwriting and presentation. Topics include melody, harmony, form, timbre, voicing, marketing, and demo creation. The course is designed for students with existing musical abilities.

MUS 266A: Vocal Jazz Ensemble III

Units: 1.5

Prerequisites: MUS 166B

Enrollment Limitation: Audition and 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. (1004.00)

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: Audition and 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. (1004.00)

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 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. (1004.00)

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.

MUS 298: Directed Study in Music

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1004.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

Music Technology



The Music Technology program offers courses for students who wish to earn a certificate or associate degree in music or music technology or who plan on transferring as a music major to a four-year institution. Students are encouraged to take part in performance opportunities for both music and non-music majors. Areas of focus include audio recording and production, digital audio for media, sound reinforcement, and music business principles.

Contact Information

Chair: Dan Siegel

Dean: Jonathan Fohrman

Department: Music

Office: Building OC4700,

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). 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.
- ▶ Upon completion of this program, the student will be able to 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.
- ▶ Upon completion of this program, the student will be able to 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 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.
- ▶ Upon completion of this program, the student will be able to 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.
- ▶ Upon completion of this program, the student will be able to 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 Course Work

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 II	2
Music Theory and Performance Training:		3

MUS 100	Introduction to Music Theory	
MUS 120	Piano I	
or MUS 121	Piano II	
or MUS 130	Guitar I	
or MUS 131	Guitar II	
or MUS 141	Vocal Fundamentals	
or MUS 161	Masterworks Chorale	
or MTEC 105	Music Notation	
MUS 121	Piano II	
MUS 130	Guitar I	
MUS 131	Guitar II	
MUS 141	Vocal Fundamentals	
MUS 161	Masterworks Chorale	
MTEC 105	Music Notation	
Select one course from the following courses:		2-3
MTEC 160	Business of Music I	
MUS 260	Songwriting	

Select at least one course from the following courses for a minimum of two units:

MTEC 292	Internship Studies	
MTEC 299	Occupational Cooperative Work Experience	
BUS 130	Entrepreneurship and Small Business Management	
BUS 132	Marketing	
BUS 137	Customer Service	
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	Introduction to Film	
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

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 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 music industry.
- ▶ Upon completion of this program, the student will be able to understand the process of affiliation with the appropriate organizations for the registration and collection of copyright royalties.
- ▶ Upon completion of this program, the student will be able to demonstrate the ability to understand and interpret contracts and terminology specifically found in the entertainment industry.

Required courses:		
MUS 115	Introduction to Western Music	3
	or MUS 116 A Survey of World Music	
MTEC 160	Business of Music I	3
MTEC 260	Business of Music II	2
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	Legal Environment of Business	
BUS 140H	Legal Environment of Business (Honors)	
Internship - Select two units from the following:		2
MUS 292	Internship Studies	
MTEC 292	Internship Studies	
Total Units		19

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	Stage Lighting	2-3
	or MTEC 105 Music Notation	
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
Select three elective units from the following:		3
MTEC 292	Internship Studies	
MTEC 298	Directed Study in Music Technology	
MTEC 299	Occupational Cooperative Work Experience	
Total Units		15-16

Courses

MTEC 105: Music Notation

Units: 2

Prerequisites: MUS 100.

Advisory: MTEC 120, MTEC 130, MUS 120, MUS 130, or MUS 141.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours. (1005.00)

Course Typically Offered: Fall or Spring

This course provides training in the use of music notation software for the preparation of professional-quality musical scores. It reviews the basic elements of music theory as well as the historical development and standardization of notation.

MTEC 110: Recording Arts I

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours. (1005.00)

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.

MTEC 111: Recording Arts II

Units: 2

Prerequisites: MTEC 110.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours. (1005.00)

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: MTEC 110.

Advisory: MTEC 111.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours. (1005.00)

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.

MTEC 130: MIDI

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours. (1005.00)

Course Typically Offered: Fall, Spring

This survey course explores the full range of Musical Instrument Digital Interface (MIDI) capable software equipment and associated production techniques for music composition, performance, and recording. Students who have completed or are concurrently enrolled in MTEC 120 qualify for Avid Pro Tools 110 testing upon successful completion of MTEC 130.

MTEC 140: Sound Reinforcement I

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours. (1005.00)

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, and speakers. Students apply principles to concert situations throughout the semester.

MTEC 141: Sound Reinforcement II

Units: 2

Prerequisites: MTEC 140.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours. (1005.00)

Course Typically Offered: Spring

This course covers advanced topics in sound system design, stage management/organization, and sound checks. Topics include troubleshooting and repair, live concert recording, and live concert interfacing with MIDI and video systems. The lab presents field opportunities for students to apply knowledge in concert situations.

MTEC 150: Audio Equipment Maintenance

Units: 2

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in DRAM 192.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours. (1005.00)

Course Typically Offered: Spring

This course introduces audio maintenance, calibration, and minor repair as well as electronic building tips as they pertain to music and theatre. Students learn basic electronic principles and how they relate to matching audio components in various system design applications for recording and sound reinforcement. Topics include impedance 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 I

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1005.00)

Course Typically Offered: Fall

This course explores the essential topics that every music professional should be knowledgeable about, including the essence of intellectual property, copyright law, publishing administration, performing rights organizations, recording contracts, and artist representation. These concepts are then applied to the artist attempting to navigate the landscape of the current music business.

MTEC 210: Recording Arts III

Units: 2

Prerequisites: MTEC 111.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours. (1005.00)

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. (1005.00)

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. (1005.00)

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.

MTEC 230: Electronic Music and Sound Design II

Units: 2

Prerequisites: MTEC 130.

Acceptable for Credit: CSU

Lecture 1.50 hours, laboratory 1.50 hours. (1005.00)

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 II

Units: 2

Prerequisites: MTEC 160.

Acceptable for Credit: CSU

Lecture 2 hours. (1005.00)

Course Typically Offered: Spring

This second in a two course series covers music distribution, licensing, synchronization, marketing, and promotion in today's changing marketplace. Students learn effective methods for submitting creative works for representation as well as how to create a business strategy for an independent record release, with the ultimate goal of deriving income from music sales and publishing sources.

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. (1005.00)

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 298: Directed Study in Music Technology

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 6 hours. (1005.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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 course work 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. 58)). 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, both generic and LVN-RN. A list of this criteria is located on the nursing website (www.miracosta.edu/instruction/nursing/). Beginning fall 2011, 90 percent of student admission will be based on the point system, and 10 percent of admitted students will come from the established wait list per random selection.

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. 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.

Contact Information

Chair: Yvette Duncan

Dean: Sandy Comstock

www.miracosta.edu/NURS

Department: Nursing and Allied Health

Office: Building OCT420,
760.757.2121 x 6466

Full-Time Faculty

Yvette Duncan

Margaret Essman

Roland Estrella

Yana Gardiner

Linda McDonald

Susan Roberts

Susan Simpson

Vicky Tam

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. 58)). 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 course work 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 program must take the Test of Essential Academic Skills (TEAS) Version V 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.

Students must have completed the following courses before applying to the ADN program:

Prerequisite courses:

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
MATH 64	Intermediate Algebra ****	0-4
Total Units		20-25

Track I: Generic ADN

Required courses:		
Prerequisite Units:		20-25
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
NURS 281	Medical Surgical Nursing III	6.5
NURS 282	Psychiatric-Mental Health Nursing	3.5
NURS 283	Medical Surgical Nursing IV *	6
NURS 284	Contemporary Nursing Practice and Leadership	1.5
NURS 284L	Preceptorship Lab	2
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	
SOC 110	Comparative Cultures	
Additional associate degree requirements:		
GE Area C (Plan A) ***		3
Total Units		67.5-72.5

Note: Students completing Track I Generic ADN will not be required to satisfy the American Institutions requirement (GE Area G) due to the Board of Registered Nursing's licensing requirements.

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 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
MATH 64	Intermediate Algebra ****	0-4
PHAR 201	Pharmacology Review and Update	2
Total Units		22-27

Required courses:

Prerequisite units: 22-27

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	6.5
NURS 282	Psychiatric-Mental Health Nursing	3.5
NURS 283	Medical Surgical Nursing IV *	6
NURS 284	Contemporary Nursing Practice and Leadership	1.5
NURS 284L	Preceptorship Lab	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	
SOC 110	Comparative Cultures	

Additional associate degree requirements:	
GE Area C (Plan A) ***	3
GE Area G (Plan A) ***	3-4
Total Units	56-62

Note: The lower unit total of 55.5 units for Track II is applicable for students who test out of MATH 64. At least 60 units are required for an A.S. degree.

* 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 who have demonstrated Mathematics competency through a qualifying score on the MiraCosta College Mathematics Competency Examination, or that have achieved 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 that submit a passing score on the CSU Elementary Level Mathematics (ELM) are not required to complete MATH 64. Students with a bachelor degree from a United States regionally accredited college or university will also meet this competency/prerequisite associate degree requirement.

*** Students with a bachelor's degree from a United States regionally accredited college in a non-nursing field are required to complete only the course work necessary for the Registered Nursing program, including prerequisites and nursing course work. These students are not required to complete any other courses required by the college for an associate degree.

****MATH 64 applies to all of the footnotes listed above.

Note: 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. This program is prescribed by the Board of Registered Nursing (BRN) and provides an RN license for California only. Other states may not recognize this option. A maximum of 30 units of nursing and support courses is required to fulfill the unit requirement for licensure by the BRN. This program is offered as space allows. Please contact the Nursing and Allied Health Department for course requirements. Students must possess a valid California LVN license and complete the Registered Nursing prerequisite courses before applying to the program.

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 160, 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 www.miracosta.edu/Instruction/Nursing/lvnprogram.htm.

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 151	Body Systems Survey for Health Professions	3-4

or BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)	
or BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	
NURS 160	Certified Nursing Assistant	6.5
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 57.5-58.5

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 160	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 160	Certified Nursing Assistant	6.5
NURS 163	Home Health Aide	2
Total Units		8.5

Courses

NURS 151: Body Systems Survey for Health Professions

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1230.20)

Course Typically Offered: Fall, Spring, and Summer

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 155: Basic Medical Terminology

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (1230.20)

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 160: Certified Nursing Assistant

Units: 6.5

Prerequisites: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process; AHA Healthcare Provider or BLS Provider card. (Submit valid SSN, MCC physical, current flu shot, and TB clearance to T420 before first class meeting.)

Acceptable for Credit: CSU

Lecture 4 hours, laboratory 7.50 hours. (1230.30)

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 163: 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. (1230.80)

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 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. (1230.20)

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 160 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. (1230.20)

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. (1230.20)

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. (1230.20)

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. (1230.20)

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. (1230.10)

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. Non-clinical activities may be presented in an online format. (Materials Fee: \$30.00).

NURS 181: Medical Surgical Nursing I

Units: 4

Prerequisites: NURS 180 (ADN).

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 6 hours. (1230.10)

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. Non-clinical activities may be presented in an online format.

NURS 182: Maternal-Child Nursing

Units: 5

Prerequisites: NURS 181 (ADN).

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 6 hours. (1230.10)

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 activities may be presented in an online format.

NURS 183: Medical Surgical Nursing II

Units: 4

Prerequisites: NURS 181 (ADN).

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 6 hours. (1230.10)

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. (1230.20)

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. (1230.20)

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. (1230.00)

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: 6.5

Prerequisites: NURS 280 (LVN to RN) or NURS 183 (ADN).

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 10.50 hours. (1230.00)

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.

NURS 282: Psychiatric-Mental Health Nursing

Units: 3.5

Prerequisites: NURS 280 (LVN to RN) or NURS 183 (ADN).

Acceptable for Credit: CSU

Lecture 2 hours, laboratory 4.50 hours. (1230.00)

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: 6

Prerequisites: NURS 281 and NURS 282.

Acceptable for Credit: CSU

Lecture 3 hours, laboratory 9 hours. (1230.00)

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

Corequisite: NURS 284L

Acceptable for Credit: CSU

Lecture 1.50 hours. (1230.00)

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 284L: Preceptorship Lab

Units: 2

Prerequisites: NURS 281 and NURS 282

Corequisite: NURS 284

Acceptable for Credit: CSU

Laboratory 6 hours. (1230.10)

Course Typically Offered: Fall, Spring

This clinical preceptorship for NURS 284 facilitates the successful transition from student-nurse to entry-level graduate RN. Students apply the nursing process to multiple patient assignments using prioritization, delegation, and supervision as well as essential nursing skills. Each student works with his/her preceptor for 96 hours utilizing a variable time schedule. Offered pass/no-pass only.

NURS 288: Nurse Externship

Units: 1-4

Prerequisites: NURS 183 (Generic RN) or NURS 280 (LVN-RN Bridge)

Corequisite: Concurrent enrollment in Nursing Program.

Acceptable for Credit: CSU

Laboratory 12 hours. (1230.00)

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 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. Each 75 hours of paid work equals one semester credit; each 60 hours of non-paid work equals one semester credit. A maximum of 8 units may be earned in a single term; a maximum of 16 units may be earned during community college attendance.

NURS 289: Nursing Management of the Client with Diabetes Mellitus

Units: 2

Prerequisites: NURS 181, LVN, or RN license.

Acceptable for Credit: CSU

Lecture 2 hours. (1230.00)

Course Typically Offered: Summer

This course introduces advanced concepts in diabetes mellitus and its management. It identifies the various forms of diabetes, discusses risk factors, and outlines the pathophysiology of the disease. The course also covers medication mechanisms of action, nutrition, and exercise in diabetes self-management as well as the nurse's role in assessing glycemic control and providing appropriate treatments. Topics include assessing for acute complications and educational strategies to prevent these complications.

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. (1230.00)

Course Typically Offered: Fall, Spring

This course introduces students to critical care concepts and care of patients experiencing cardiopulmonary 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, cardiovascular medications used to maintain hemodynamic stability and perfusion, maintenance of artificial airways, and mechanical ventilation.

NURS 291: Nursing Management of Invasive and Noninvasive Ventilatory Support

Units: 2

Prerequisites: NURS 181, NURS 274, LVN, or RN license.

Acceptable for Credit: CSU

Lecture 2 hours. (1230.00)

Course Typically Offered: Summer

Specific Topics courses are not listed in the catalog.

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. (1230.00)

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.

Contact Information

Chair: Gail Meinhold
Dean: Al Taccone
www.miracosta.edu/instruction/nutrition/

Department: Kinesiology, Health and Nutrition
Office: Building OC4800, 760.795.6811

Full-Time Faculty

Gail Meinhold

Associate Degree

Students interested in the field of nutrition 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. 250)).

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	Nutrition Today	3
or NUTR 100H	Nutrition Today (Honors)	
NUTR 105	Human Performance and Sports Nutrition	3
NUTR 108	Cultural Aspects of Foods and Nutrition	3
KINE 204	Techniques and Analysis of Fitness and Weight Training	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. (0837.00)

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. (0837.00)

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. (0837.00)

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. (0837.00)

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 125: Nutrition and Aging

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (0837.00)

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 100H, 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. (0837.00)

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: 1-3

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, and a variety of positions in private and public environmental agencies.

Contact Information

Chair: John Turbeville**Dean:** Michael Fino

www.miracosta.edu/OCEA

Department: Physical Sciences**Office:** Building OC3600,

760.757.2121 x6924

Full-Time Faculty

Keith Meldahl

Chris Metzler

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. (1919.00)

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. (1919.00)

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. (1919.00)

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.

OCEA 298: Directed Study in Oceanography

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1919.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

Pharmacology

The Nursing and Allied Health Department offers pharmacology courses as part of the Nursing program.

Contact Information

Chair: Yvette Duncan

Dean: Sandy Comstock

www.miracosta.edu/PHAR

Department: Nursing and Allied Health

Office: Building OCT420,
760.757.2121 x6466

Courses

PHAR 100: Basic Pharmacology–Dosages and Calculations

Units: 3

Prerequisites: MATH 20 or eligibility determined by the math placement process.

Acceptable for Credit: CSU

Lecture 3 hours. (1230.20)

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. Not open to students with prior credit in PHAR 151.

Acceptable for Credit: CSU

Lecture 2 hours. (1221.00)

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

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.

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.

Contact Information

Chair: Louisa Moon
Dean: Dana Smith
www.miracosta.edu/PHIL

Department: Philosophy and Religious Studies
Office: Administration Building, San Elijo Campus, 760.634.7879

Full-Time Faculty

Isabel Luengo
 Louisa Moon
 Jeffrey Murico

Courses

PHIL 100: Informal Logic and 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. (1509.00)

Course Typically Offered: Fall, Spring, and Summer

This course develops critical thinking skills through the study of informal logic. Topics include the structure and evaluation of arguments, fallacies, credibility, rhetorical devices, and explanations. Using examples from the news 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. (1509.00)

Course Typically Offered: Fall, Spring, and Summer

This introduction to philosophical inquiry emphasizes problems of knowledge and reality through 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. (1509.00)

Course Typically Offered: Fall or Spring

This seminar-style 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. (1509.00)

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 PHIL-120.

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. (1509.00)

Course Typically Offered: Fall, Spring

This course introduces the philosophical study of both religion and the central concepts found in Eastern and Western religious traditions with an emphasis on theism. 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 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. (1509.00)

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 298: Directed Study in Philosophy

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1509.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

PHIL 302: Bioethics

Units: 3

Prerequisites: ENGL 100.

Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Lecture 3 hours. (1509.00)

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.

Contact Information

Chairs: Theresa Bolaños, John Turbeville
Department: Chemistry/ Physical Sciences
Dean: Michael Fino
Office: Building OC3600, 760.757.2121 x6924
 www.miracosta.edu/PHSN

Courses

PHSN 101: Fundamentals of Physical Science

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1901.00)

Course Typically Offered: Fall, Spring

This physical science survey course includes astronomy, geology, physics, and chemistry. It emphasizes an understanding of the fundamental principles, procedures, and methods in science. UC CREDIT LIMITATION: No credit if taken after college course in astronomy, chemistry, geology, or physics.

PHSN 106: Energy, Motion, and Matter: An Introduction to 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. (1901.00)

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. (1901.00)

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. (1901.00)

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, optics, quantum behavior, 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 teaching, engineering, and research in universities, government, and private industry.

Contact Information

Chair: John Turbeville

Dean: Michael Fino

www.miracosta.edu/PHYS

Department: Physical Sciences

Office: Building OC3600,

760.757.2121 x6924

Full-Time Faculty

Jonathan Cole

Erika Peters

Joe Salamon

Courses

PHYS 111: Introductory Physics I

Units: 4

Prerequisites: MATH 131.

Enrollment Limitation: Not open to students with prior credit in PHYS 151 or PHYS 151H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours. (1902.00)

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 112: Introductory Physics II

Units: 4

Prerequisites: PHYS 111.

Enrollment Limitation: Not open to students with prior credit in PHYS 152 or PHYS 152H and PHYS 253 or PHYS 253H.

Acceptable for Credit: CSU, UC

Lecture 3 hours, laboratory 3 hours. (1902.00)

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 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. (1902.00)

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.

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

Lecture 3 hours, laboratory 3 hours. (1902.00)

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.

PHYS 152: Principles of Physics II

Units: 4

Prerequisites: MATH 155 and PHYS 151 or PHYS 151H.

Enrollment Limitation: Concurrent enrollment in MATH 155 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. (1902.00)

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.

PHYS 152H: Principles of Physics II (Honors)

Units: 4

Prerequisites: MATH 155 and PHYS 151 or PHYS 151H.

Enrollment Limitation: Concurrent enrollment in MATH 155 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. (1902.00)

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.

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. (1902.00)

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.

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

Lecture 3 hours, laboratory 3 hours. (1902.00)

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.

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.

PHYS 298: Directed Study in Physics

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1902.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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.

Contact Information

Chair: Lynne Miller
Dean: Michael Fino
www.miracosta.edu/PLSC

Department: Social Science
Office: Building OC3600,
 760.757.2121 x6924

Full-Time Faculty

John Phillips

Courses

PLSC 101: Introduction to Political Science

Units: 3
 Prerequisites: None
 Acceptable for Credit: CSU, UC
 Lecture 3 hours. (2207.00)
 Course Typically Offered: Fall, Spring, and Summer

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.

PLSC 102: American Institutions and History

Units: 4
 Prerequisites: None
 Acceptable for Credit: CSU, UC
 Lecture 4 hours. (2207.00)
 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. (2207.00)
 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. (2207.00)
 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.

PLSC 298: Directed Study in Political Science

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (2207.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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 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.

Contact Information

Chair: Steve Eso
Dean: Nikki Schaper
www.miracosta.edu/PSYC

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/SOC 104	Statistics for Behavioral Science	4
or PSYC/SOC 104H	Statistics for Behavioral Science (Honors)	
PSYC 205	Research Methods in Psychology	3

List A (select two):

PSYC 100	Psychology of Personal Growth	6
PSYC/SOC 103	Social Psychology	
PSYC 114	Abnormal Psychology	
PSYC 115	Human Sexuality	
PSYC 121	Human Development	
PSYC 125	Psychology of Women	
PSYC/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; or select any additional course from List A): 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	
ENGL 100	Composition and Reading	

ENGL 202	Critical Thinking and Composition
GERO 101	Introduction to Aging
SOC 101	Introduction to Sociology
SOC 101H	Introduction to Sociology (Honors)
<hr/>	
Total Units	19-20

Associate in Arts Degree

Associate in Arts in Psychology for Transfer Degree

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 60 semester (90 quarter) CSU transferable units.
- ▶ Complete all courses required in the major with a "C" or better.
- ▶ Complete the CSU-GE or CSU-IGETC* general education pattern.
- ▶ Achieve a minimum CSU transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

*Students completing UC-IGETC may be awarded the degree, but they will not 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/SOC 104	Statistics for Behavioral Science ^{**}	4
or PSYC/SOC 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: 3-4 Units. Select one course.		3-4
Any List A course not selected above.		
ENGL 100	Composition and Reading [*]	
PSYC 100	Psychology of Personal Growth [*]	
PSYC 121	Human Development [*]	
PSYC 211	Learning and Behavior Modification	
SOC 101	Introduction to Sociology [*]	
SOC 101H	Introduction to Sociology (Honors) [*]	
List C: 3-4 Units. Select one course. (It is recommended that you select courses that meet lower-division major preparation requirements at your intended transfer university.)		3-4
Any List A or B course not selected above.		
PSYC/SOC 103	Social 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 [*]	
<hr/>		
Total Units		19-22

* Course satisfies a general education requirement on the CSU-GE or CSU-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.

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/SOC 104	Statistics for Behavioral Science	4
or PSYC/SOC 104H	Statistics for Behavioral Science (Honors)	
PSYC 121	Human Development	3
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 202	Critical Thinking and Composition	
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 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	College Research Skills	1
PSYC/SOC 104	Statistics for Behavioral Science	4
or PSYC/SOC 104H	Statistics for Behavioral Science (Honors)	
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	Research in the Digital Age	
or LIBR 201H	Research in the Digital Age (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. (2001.00)

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. 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. (2001.00)

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. (2001.00)

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. (2003.00)

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 64, MATH 95, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in:

BIO 180, BTEC 180, BUS 204, PSYC 104H, SOC 104, or SOC 104H.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (2001.00)

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 BIO 180/BTEC 180, MATH 103, PSYC 104/ SOC 104, or PSYC 104H/SOC 104H. C-ID SOCI-125.

PSYC 104H: Statistics for Behavioral Science (Honors)

Units: 4

Prerequisites: MATH 64, MATH 95, or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in: BIO 180, BTEC 180, BUS 204, PSYC 104, SOC 104, or SOC 104H.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (2001.00)

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 BIO 180/BTEC 180, BUS 204, MATH 103, PSYC 104/SOC 104, or PSYC 104H/SOC 104H. C-ID SOCI-125.

PSYC 114: Abnormal Psychology

Units: 3

Prerequisites: None

Advisory: PSYC 100, PSYC 101, or PSYC 101H.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2001.00)

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.

PSYC 115: Human Sexuality

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2001.00)

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 CHLD 121.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2003.00)

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, or PSYC 121. C-ID PSY-180.

PSYC 125: Psychology of Women

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2001.00)

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. (2003.00)

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. Among the topics covered are 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. (2001.00)

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, PSYC 101H; and PSYC 104/PSYC 104H or SOC 104/SOC 104H; and ENGL 100.

Corequisite: PSYC 104/PSYC 104H or SOC 104/SOC 104H (for students with MATH 103 credit).

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (2001.00)

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/SOC 104 or PSYC 104H/SOC 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. (2001.00)

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. (2001.00)

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. (2001.00)

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 298: Directed Study in Psychology

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (2001.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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

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.

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. 249) for specific degree requirements.)

Contact Information

Chairs: Teresa Guinon(Letters, Pre-Transfer), John Kirwan(Letters, Transfer)

Dean: Dana Smith

www.miracosta.edu/READ

Department: Letters, Transfer Department and Letters, Pre-Transfer Department

Office: Administration

Building, San Elijo Campus, 760.634.7879

Full-Time Faculty

Luke Lambert

Courses

READ 30: College Reading Development

Units: 4

Prerequisites: None

Lecture 4 hours. (1520.00)

Course Typically Offered: Fall, Spring

This course is designed to help students develop their college reading skills in the areas of comprehension, vocabulary, reading strategies, and reference skills. It introduces students to a variety of reading strategies and skills designed to improve their individual reading abilities.

READ 100: Critical Reading and Thinking

Units: 3

Prerequisites: None

Advisory: ACE 150, ENGL 50, ESL 150, or eligibility determined by the English placement process.

Acceptable for Credit: CSU

Lecture 3 hours. (1520.00)

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.

READ 298: Directed Study in Reading

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1520.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

Real Estate



The Real Estate program provides not only training for students planning to enter the real estate profession but also opportunities for those already working in real estate and related fields to increase their knowledge. Career options include real estate sales, property management, appraising, and real estate brokerage and mortgage services.

Contact Information

Chair: Christina Sharp

Dean: Al Taccone

www.miracosta.edu/REAL

Department: Business

Office: Building OC4800,

760.795.6811

Associate Degrees



Associate in Arts Degrees

Real Estate

Real Estate Entrepreneurship

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. 58)). 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

Real Estate

Program Student Learning Outcomes Statement:

- ▶ Upon completion of this program, the student will be able to interpret and analyze real estate listing and purchase contracts.

MiraCosta College will grant this certificate to persons who complete the following courses:

Required courses:		
REAL 105	Real Estate Practice	3
REAL 110	Real Estate - Legal Aspects	3
REAL 120	Real Estate Finance	3
One of the following:		3-4
ACCT 101	Practical Accounting	
ACCT 201	Financial Accounting	
REAL 206	Real Estate Economics	

Select 6 to 9 elective units from the following: *		6-9
BUS 140	Legal Environment of Business	
or BUS 140H	Legal Environment of Business (Honors)	
REAL 100	Real Estate Principles	
REAL 250	Property Management	
Total Units		18-22

* If both an accounting course listed above and the Real Estate Economics course have been completed, only 6 elective units are required.

Certificate of Achievement Real Estate Entrepreneurship

This certificate is designed specifically for students who want to start careers in the real estate brokerage or mortgage business. It exceeds the minimum California requirements for the broker's license and adds the necessary business courses for successfully starting and running a small business. Candidates for a brokerage practice must meet the California Department of Real Estate requirements regarding course work, experience, and state examinations.

Program Student Learning Outcomes Statement:

- ▶ Upon completion of this program, the student will be able to interpret and analyze real estate listing and purchase contracts.

Required courses:		
ACCT 101	Practical Accounting	4
BUS 130	Entrepreneurship and Small Business Management	3
BUS 132	Marketing	3
or BUS 138	Business Promotion	
BUS 140	Legal Environment of Business	3
or BUS 140H	Legal Environment of Business (Honors)	
REAL 100	Real Estate Principles	3
REAL 105	Real Estate Practice	3
REAL 110	Real Estate - Legal Aspects	3
REAL 120	Real Estate Finance	3
REAL 130	Real Estate Appraisal	3
REAL 250	Property Management	3
Select 3 elective units from the following:		3
BUS 131	Management Principles	
BUS 135	Personal Selling	
BUS 136	Human Relations in Business	
REAL 240	Computer Applications in Real Estate	
Total Units		34

Certificate of Proficiency Property Management

This certificate is intended for students who wish to pursue a career in property management. By completing Real Estate Principles (REAL 100) and two additional courses, students can qualify for an unconditional sales license after successfully passing a state exam through the Department of Real Estate (DRE).

Program Student Learning Outcomes Statement:

- ▶ Upon completion of this program, the student will be able to interpret and explain standard property management contracts.

Required courses:		
REAL 100	Real Estate Principles	3
REAL 105	Real Estate Practice	3
REAL 250	Property Management	3
Total Units		9

Certificate of Proficiency Real Estate Assistant

This certificate includes all of the course work necessary to become licensed to sell real estate in California. The assistant, often found in large agencies, is an excellent entry-level position for someone interested in the real estate field.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, the student will be able to interpret laws related to acquiring and keeping a Real Estate license in California.

Required courses:		
REAL 100	Real Estate Principles	3
REAL 105	Real Estate Practice	3
Select at least 3 elective units from the following:		3
REAL 110	Real Estate - Legal Aspects	
REAL 120	Real Estate Finance	
REAL 130	Real Estate Appraisal	
REAL 206	Real Estate Economics	
REAL 250	Property Management	
Select at least 3 elective units from the following:		3
REAL 240	Computer Applications in Real Estate	
REAL 292	Internship Studies	
REAL 299	Occupational Cooperative Work Experience	
Total Units		12

Certificate of Proficiency Real Estate Finance

This certificate is intended for students who wish to pursue a career as a real estate mortgage officer. By completing Real Estate Principles (REAL 100) and two additional courses, the student can qualify for an unconditional sales license after successfully passing a state exam through the Department of Real Estate (DRE).

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, the student will be able to list, compare, and contrast conventional and government loan programs.

Required courses:		
REAL 100	Real Estate Principles	3
REAL 105	Real Estate Practice	3

REAL 120	Real Estate Finance	3
Total Units		9

Certificate of Proficiency

Real Estate Sales

This certificate is intended for students who wish to pursue a career in real estate sales, either residential or commercial. By completing Real Estate Principles (REAL 100) and two additional courses, the student can qualify for an unconditional sales license after successfully passing a state exam through the Department of Real Estate (DRE).

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, the student will be able to apply real estate laws and regulations to documents necessary to sell a home.

Required courses:		
REAL 100	Real Estate Principles	3
REAL 105	Real Estate Practice	3
Select at least 3 elective units from the following:		3
REAL 110	Real Estate - Legal Aspects	
REAL 130	Real Estate Appraisal	
REAL 206	Real Estate Economics	
REAL 240	Computer Applications in Real Estate	
Total Units		9

State Licensing

The California Bureau of Real Estate (CalBRE) licenses California real estate salespersons and brokers. For current information, go the CalBRE's website: www.calbre.ca.gov.

Real Estate Salesperson

To obtain a California real estate salesperson license, candidates must first qualify for and pass a written examination.

Qualification for the real estate salesperson exam requires successful completion of three college-level courses, many of which are offered at MiraCosta. Some of these courses are also offered online.

Required courses:		
REAL 100	Real Estate Principles	3
REAL 105	Real Estate Practice	3
Select one course from the following:		
BUS 140	Legal Environment of Business	3
or BUS 140H	Legal Environment of Business (Honors)	
REAL 110	Real Estate - Legal Aspects	3
REAL 120	Real Estate Finance	3
REAL 130	Real Estate Appraisal	3
REAL 206	Real Estate Economics	3
or ECON 100	Survey of Economics	
or ECON 101	Principles of Economics: MACRO	
or ECON 102	Principles of Economics: MICRO	
REAL 240	Computer Applications in Real Estate	3

REAL 250	Property Management	3
A general accounting course:		3-4
ACCT 101	Practical Accounting	
ACCT 148	Computer Accounting	
ACCT 201	Financial Accounting	
ACCT 202	Managerial Accounting	
Real Estate Office Administration *		
Escrows *		
Mortgage Loan Brokering and Lending *		
Common Interest Developments *		

*These courses are not available through MiraCosta College.

For more information and specific details regarding the Real Estate Salesperson Examination and course requirements, please go to the California Bureau of Real Estate website at www.calbre.ca.gov.

Real Estate Broker

To obtain a California real estate broker license, candidates must first qualify for and pass a written examination.

In addition to specific experience requirements, qualification for real estate broker exam requires successful completion of eight college-level courses, many of which are offered at MiraCosta.

Required courses:		
REAL 105	Real Estate Practice	3
REAL 110	Real Estate - Legal Aspects	3
REAL 120	Real Estate Finance	3
REAL 130	Real Estate Appraisal	3
REAL 206	Real Estate Economics	3-4
or ACCT 101	Practical Accounting	
or ACCT 148	Computer Accounting	
or ACCT 201	Financial Accounting	
or ACCT 202	Managerial Accounting	
or ECON 100	Survey of Economics	
or ECON 101	Principles of Economics: MACRO	
or ECON 102	Principles of Economics: MICRO	

Select three courses from the following: **

BUS 140	Legal Environment of Business	3
or BUS 140H	Legal Environment of Business (Honors)	
REAL 100	Real Estate Principles	3
REAL 240	Computer Applications in Real Estate	3
REAL 250	Property Management	3
Escrow *		
Real Estate Office Administration *		
Mortgage Loan Brokering and Lending *		
Advanced Legal Aspects of Real Estate *		
Advanced Real Estate Finance *		
Advanced Real Estate Appraisal *		
Common Interest Developments *		

*These course are not available through MiraCosta College.

**If both Accounting and Real Estate Economics have been completed, only two elective courses are required.

For more information and specific details regarding the Real Estate Broker Examination and course requirements, please go to the California Bureau of Real Estate website at www.calbre.ca.gov.

Courses

REAL 100: Real Estate Principles

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (0511.00)

Course Typically Offered: Fall, Spring, and Summer

This course offers a comprehensive overview of the real estate industry. Topics include basic concepts, nature of real estate, agency, law, contracts, finance, appraisal, taxation, property management, and public control. The course meets one of three courses required to qualify for the California Real Estate Sales examination.

REAL 105: Real Estate Practice

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (0511.00)

Course Typically Offered: Fall, Spring

This course enhances the knowledge and skill level of beginning and practicing real estate agents by focusing on the essentials of being a successful agent. Topics range from getting started, setting goals, traditional selling and marketing techniques, contract writing, developing a marketing niche, creating a business plan, and creating seller/buyer files.

REAL 110: Real Estate - Legal Aspects

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (0511.00)

Course Typically Offered: Fall, Spring

This introduction to real estate law emphasizes the advanced application of real estate contracts and disclosures. Topics include the judicial system, agency, landlord/tenant relationships, ownership methods, escrow and title insurance, mediation, and arbitration.

REAL 120: Real Estate Finance

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (0511.00)

Course Typically Offered: Fall

This course introduces real estate finance, the Federal Reserve System, lenders, secondary mortgage market, various types of conventional financing, government programs, qualifying buyers, credit reports, loan applications, and creative alternatives to financing.

REAL 130: Real Estate Appraisal

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (0511.00)

Course Typically Offered: Fall, Spring

This basic real estate appraisal course covers the fundamentals of appraisal, elements, principles, and forces that affect value. It focuses on the three major approaches of appraisal and includes how to fill out a basic real estate appraisal report. The course is designed to meet a core requirement for the broker's license and is not part of the requirement to obtain an appraisal license.

REAL 206: Real Estate Economics

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (0511.00)

Course Typically Offered: Fall

This introductory course covers economic issues and concepts that directly affect the real estate market. Topics include money, the Federal Reserve System, economic indicators, housing and community issues, real estate development, and economic trends. The course focuses on sustainability/the green movement.

REAL 240: Computer Applications in Real Estate

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (0511.00)

Course Typically Offered: Fall, Spring

This course focuses on how basic computer hardware and software can be applied to the real estate profession. Activities include utilizing technology and the Internet to enhance and increase productivity. The course emphasizes the Internet and digital marketing.

REAL 250: Property Management

Units: 3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 3 hours. (0511.00)

Course Typically Offered: Fall, Spring

This basic course designed for professional real estate brokers, salespersons, and investors covers accepted principles of professional property management. Topics include property management laws, tenant screening, rental contracts, fair housing, and landlord-tenant relationships.

REAL 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.

REAL 296: Topics in Real Estate

Units: 1-3

Prerequisites: None

Acceptable for Credit: CSU

Lecture 1 hour.

Lecture 2 hours.

Lecture 3 hours. (0511.00)

Course Typically Offered: To be arranged

This course gives students an opportunity to study topics in Real Estate 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.

REAL 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.

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.

Contact Information

Chair: Louisa Moon

Dean: Dana Smith

www.miracosta.edu/

instruction/religiousstudies/

Department: Philosophy and Religious Studies

Office: Administration

Building, San Elijo Campus,

760.634.7879

Full-Time Faculty

Isabel Luengo

Jeffrey Murico

Courses

RELG 101: World Religions

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1510.00)

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 Hinduism, Buddhism, Taoism, Confucianism, Shinto, Judaism, Christianity, Islam, Sikhism, and Mormonism. 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.

RELG 105: Eastern Religions

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ASIA 105.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1510.00)

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. (1510.00)

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.

RELG 298: Directed Study in Religious Studies

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1510.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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

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.

Contact Information

Chair: Thao Ha
Dean: Nikki Schaper
www.miracosta.edu/SOC

Department: Sociology
Office: Building OC3100,
 760.795.6871

Full-Time Faculty

Sean Davis
 Thao Ha
 Bruce Hoskins
 Alicia Lopez

Associate Degree

Associate in Arts Degree

Associate in Arts in Sociology for Transfer Degree

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 60 semester (90 quarter) CSU transferable units.
- ▶ Complete all courses required in the major with a "C" or better.
- ▶ Complete the CSU-GE or CSU-IGETC* general education pattern.
- ▶ Achieve a minimum CSU transferable GPA of 2.0.
- ▶ Complete a minimum of 12 units in residence at MiraCosta College.

* Students completing UC-IGETC may be awarded the degree, but they will not 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/PSYC 104	Statistics for Behavioral Science * **	4
or PSYC/SOC 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.		
HIST 110	United States History to 1877 *	
or HIST 110H	United States History to 1877 (Honors)	
HIST 116	History of the Americas to 1830 *	
or HIST 116H	History of the Americas to 1830 (Honors)	
HIST 141	Mexican American History Through 1877 *	
HIST 145	African American History to 1877 *	
SOC 120	Introduction to Women's Studies *	
Total Units		19

* Course satisfies a general education requirement on the CSU-GE or CSU-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.

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/SOC 104	Statistics for Behavioral Science	4
or PSYC/SOC 104H	Statistics for Behavioral Science (Honors)	
LIBR 101	College Research Skills	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)	
Select one course from the following electives:		3
PSYC 205	Research Methods in Psychology	
SOC 205	Introduction to Research Methods in Sociology	
LIBR 201	Research in the Digital Age	
or LIBR 201H	Research in the Digital Age (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. (2208.00)

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 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 SOC-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. (2208.00)

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 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. (2208.00)

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 others. 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. (2208.00)

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 104: Statistics for Behavioral Science

Units: 4

Prerequisites: MATH 64 or MATH 95 or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in: BIO 180, BTEC 180, BUS 204, PSYC 104, PSYC 104H, SOC 104, or SOC 104H.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (2208.00)

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 BIO 180/BTEC 180, MATH 103, PSYC 104/SOC 104 or PSYC 104H/SOC 104H. C-ID SOCI-125

SOC 104H: Statistics for Behavioral Science (Honors)

Units: 4

Prerequisites: MATH 64 or MATH 95 or eligibility determined by the math placement process.

Enrollment Limitation: Not open to students with prior credit in: BIO 180, BTEC 180, BUS 204, PSYC 104, PSYC 104H, SOC 104, or SOC 104H.

Acceptable for Credit: CSU, UC

Lecture 4 hours. (2208.00)

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 BIO 180/BTEC 180, MATH 103, PSYC 104/SOC 104, or PSYC 104H/SOC 104H. C-ID SOCI-125

SOC 105: Introduction to Justice Studies

Units: 3

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in ADM 105.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2208.00)

Course Typically Offered: Fall, Spring

This course introduces the interdisciplinary field of justice studies. It explores social, economic, 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.

SOC 110: Comparative Cultures

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2208.00)

Course Typically Offered: Spring

This course compares and contrasts a variety of cultures from around the world, past and present. It focuses on history, ideologies, values, beliefs, norms, and customs from a sociological perspective. The course uses socio-cultural theories and philosophies to examine the similarities and differences among cultures, relevant subcultures, and/or regional communities in relationship to education, family, economic systems, religion, and politics.

SOC 120: Introduction to Women's Studies

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2208.00)

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.

SOC 130: Introduction to Gender Studies

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2208.00)

Course Typically Offered: Spring

This course examines gender construction and gender inequalities in contemporary society using both a foundation of relevant theories and concepts from sociology and a multi-disciplinary 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 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. (2208.00)

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.

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. (2208.00)

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, SOC 104, or SOC 104H; and ENGL 100.

Corequisite: PSYC 104, PSYC 104H, SOC 104, or SOC 104H (for students with MATH 103 credit).

Acceptable for Credit: CSU, UC

Lecture 2 hours, laboratory 3 hours. (2208.00)

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/SOC 104 concurrently with this course. C-ID SOCI 120.

SOC 207: Race and Ethnic Relations

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2208.00)

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

SOC 230: Introduction to Chicana/o Studies

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2208.00)

Course Typically Offered: Fall

This course focuses on the development of contemporary Chicano culture including various pre-Columbian and Hispanic cultures in Mexico and the Southwest. The cross-disciplinary approach examines applicable methods and theories from sciences and humanities to analyze the lived lives of Chicanas and Chicanos. This course is intended for students who wish to gain general knowledge of the Chicana/o experience.

SOC 240: Introduction to Black Studies

Units: 3

Prerequisites: None

Acceptable for Credit: CSU, UC

Lecture 3 hours. (2208.00)

Course Typically Offered: Spring

This course surveys the Black Studies discipline including its social and academic origins, goals, and development. It provides students with an understanding of the fundamental areas of study within the field and of the interdisciplinary approach to studying the African experience in America and the world. This course is intended for students who wish to gain general knowledge of the Black experience.

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 298: Directed Study in Sociology

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (2208.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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

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.

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 the courses described below.

Contact Information

Chair: Pilar Hernández
Dean: Jonathan Fohrman
www.miracosta.edu/SPAN

Department: International Languages
Office: Building OC4700, 760.795.6844

Full-Time Faculty

Francisco Alvarez
David Detwiler
Pilar Hernández

Lilia Vidal
Rosa E. Viramontes

Certificate

Certificate of Proficiency

Career Spanish for Medical Personnel

This certificate provides students in the health care field the language skills necessary to communicate on a professional level with Spanish-speaking people. Students should take one course through the International Study Abroad Program, if possible. No more than 4 units of course work for this certificate may be earned through credit by exam (see "Credit by Institutional Examination" in this catalog). After completion of all course work for the certificate, students must take an evaluative (non-graded) Spanish oral proficiency exam.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, the student will be able to engage in meaningful conversations about basic health status, health information and health care instructions for both the medical staff and the patient, demonstrating command of Spanish medical terminology for body parts, organs, systems, symptoms and illness as well as of command of the first two years' vocabularies, structures, and pronunciation in the target language and comprehending native speaker speech.

Required courses:		
SPAN 160	Spanish for Health Care Providers I	2
SPAN 161	Spanish for Health Care Providers II	2
Select one option from below:		4
SPAN 102	Elementary Spanish (Second Semester)	
SPAN 201	Intermediate Spanish (Third Semester)	
SPAN 203	Spanish for Native Speakers	
Select one elective from the following:		3-4
SPAN 202	Intermediate Spanish (Fourth Semester)	
SPAN 210	Intermediate Conversation and Reading	
Total Units		11-12

Courses

SPAN 101: Elementary Spanish (First Semester)

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in SPAN 102, SPAN 201, SPAN 202, or SPAN 203.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (1105.00)

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.

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 201, SPAN 202, or SPAN 203.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (1105.00)

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.

SPAN 160: Spanish for Health Care Providers I

Units: 2

Prerequisites: None

Acceptable for Credit: CSU

Lecture 2 hours. (1105.00)

Course Typically Offered: Fall

This course introduces basic Spanish grammar and vocabulary needed by medical personnel. Topics include greetings with cultural and medical protocols, getting to know the patient, assisting in taking preliminary medical histories, and assisting in patient assessment and treatment. This course is designed for beginners as well as for those with some Spanish-speaking proficiency.

SPAN 161: Spanish for Health Care Providers II

Units: 2

Prerequisites: SPAN 160.

Acceptable for Credit: CSU

Lecture 2 hours. (1105.00)

Course Typically Offered: Spring

This course provides students with more basic language skills needed for daily interactions with Spanish-speaking patients. It emphasizes the development of effective cross-cultural communication skills. Topics include nutrition, preventive care, physical care and rehabilitation, pediatrics, surgery, drug abuse. This course is designed for beginners as well as for those with some speaking proficiency in Spanish.

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 202 or SPAN 203.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (1105.00)

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 203.

SPAN 202: Intermediate Spanish (Fourth Semester)

Units: 4

Prerequisites: SPAN 201 or SPAN 203 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. (1105.00)

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 provides for increased 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.

SPAN 203: Spanish for Native Speakers

Units: 4

Prerequisites: None

Enrollment Limitation: Not open to students with prior credit in SPAN 201.

Acceptable for Credit: CSU, UC

Lecture 3.50 hours, laboratory 1.50 hours. (1105.00)

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. UC CREDIT LIMITATION: Credit for SPAN 201 or SPAN 203.

SPAN 205: Hispanic Film, Literature, and Composition

Units: 3

Prerequisites: SPAN 202 or SPAN 203 or equivalent.

Acceptable for Credit: CSU, UC

Lecture 2.50 hours, laboratory 1.50 hours. (1105.00)

Course Typically Offered: Fall

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 210: Intermediate Conversation and Reading

Units: 3

Prerequisites: SPAN 102 or three years of high school Spanish with a C or better.

Acceptable for Credit: CSU, UC

Lecture 3 hours. (1105.00)

Course Typically Offered: Spring

This course stresses oral communication and reading comprehension through cultural materials in order to improve and expand the student's conversational skills in Spanish. It emphasizes practical topics, fundamental and expanded vocabulary, and commonly used idioms. Students learn to employ Spanish in general discussions of assigned topics and simple dialogues. The course also reviews communicative functions.

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. (1105.00)

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 298: Directed Study in Spanish

Units: 1-3

Prerequisites: None

Enrollment Limitation: Instructor and department chair approval and successful completion of 12 units of college work with at least a 3.0 grade-point average.

Acceptable for Credit: CSU

Laboratory 3 hours

Laboratory 6 hours

Laboratory 9 hours. (1105.00)

Course Typically Offered: To be arranged

This course allows students to pursue a special area of interest in order to achieve specific goals beyond the scope of existing courses within the discipline. Students work independently and interact directly with an instructor on an individual basis and as prescribed by the Directed Study Agreement.

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

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.

Surgical Technology



In the Surgical Technology program, students learn to prepare the patient, operating room, and equipment for surgical procedures. Students learn in the classroom and lab as well as

in clinical settings throughout the area. Students must complete three prerequisite courses with a grade of "C" or better before enrolling in the following surgical technology courses: NURS 151: Body Systems Survey for Health Professions; NURS 155: Basic Medical Terminology; and PHAR 100: Basic Pharmacology. Students must maintain a "C" average or better throughout the program. Career options include employment in hospitals, surgical centers, clinics, and various government agencies.

Contact Information

Chair: Yvette Duncan
Dean: Sandy Comstock
 www.miracosta.edu/SURG

Department: Nursing and Allied Health
Office: Building OCT420, 760.757.2121 x6466

Full-Time Faculty

Lillian Batista-Edwards
 Niall Davis

Associate Degree

Associate in Arts Degree

Surgical 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. 58)). 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 surgical asepsis and skill competency to intervene therapeutically for the health of the surgical patient.

Certificate

Certificate of Achievement

Surgical Technology

This certificate prepares graduates to work on a multidisciplinary team that includes registered nurses and physicians who are caring for patients in an operating room or surgical practice setting.

The program requires one year of study and integrates theory, laboratory simulations, and clinical practice to prepare students to take the National Exam for Certification as a surgical technologist. This exam is taken at MiraCosta College at the end of the program. The student must pay a \$240 exam fee to the Association of Surgical Technologists.

Program Student Learning Outcome Statement:

- ▶ Upon completion of this program, the student will be able to promote and maintain a safe environment by integrating surgical asepsis and skill competency to intervene therapeutically for the health of the surgical patient.

Students must take the following three courses before acceptance into the SurgTech Program:

NURS 151	Body Systems Survey for Health Professions	3
NURS 155	Basic Medical Terminology	3
PHAR 100	Basic Pharmacology—Dosages and Calculations	3

Required Courses:

SURG 101	Principles of Surgical Technology	8
SURG 101L	Surgical Patient Care Concepts	5
SURG 104	Surgical Specialties	4
SURG 104L	Surgical Procedures	1
SURG 105L	Clinical Practice for Surgical Technology	11

Total Units 38

Courses

SURG 101: Principles of Surgical Technology

Units: 8

Prerequisites: Admission to the Surgical Technology program; NURS 151, NURS 155, and PHAR 100.

Corequisite: SURG 101L

Acceptable for Credit: CSU

Lecture 8 hours. (1217.00)

Course Typically Offered: Spring

This course introduces the surgical technologist's role in the health care environment. Students develop fundamental team skills required to function as a technologist during the care of patients having surgery. The course focuses on the principles of aseptic techniques and surgical practice and covers basic principles of microbiology. Topics address preparation and practical implications required to perform the steps of an open appendectomy and a closed general laparoscopic surgical procedure, medications commonly used in the care of the surgical client, principles of anesthesia administration, and implications necessary during a surgical procedure's pre-operative, intra-operative and post-operative phases.

SURG 101L: Surgical Patient Care Concepts

Units: 5

Prerequisites: None

Corequisite: SURG 101

Enrollment Limitation: Dept. approval

Acceptable for Credit: CSU

Laboratory 15 hours. (1217.00)

Course Typically Offered: Spring

This laboratory accompaniment to SURG 101 provides direct, hands-on practice of skills and theory taught in the lecture course. Topics include pre-operative, intra-operative, and post-operative patient care, instrument and supply preparation, surgical pharmacology, anesthesia concepts, safety considerations, and the basic principles of microbiology, physics, and robotics as they relate to the operating room. Students learn how to prepare and perform the steps of a closed and open general surgical procedure within the surgical technologist's scope of practice. Offered pass/no pass only.

SURG 104: Surgical Specialties

Units: 4

Prerequisites: SURG 101 and SURG 101L.

Corequisite: SURG 104L

Acceptable for Credit: CSU

Lecture 4 hours. (1217.00)

Course Typically Offered: Summer

This course covers diagnostic and surgical interventions for patients undergoing surgeries related to specific body systems. It addresses anatomical locations and specific anatomy and pathophysiology related to the system. Topics include the pre-operative and intra-operative course for each surgery, including client positioning, supplies, necessary equipment and instrumentation, diagnostic tests, and procedural steps.

SURG 104L: Surgical Procedures

Units: 1

Prerequisites: SURG 101 and SURG 101L.

Corequisite: SURG 104

Acceptable for Credit: CSU

Laboratory 3 hours. (1217.00)

Course Typically Offered: Summer

This advanced course covers practical applications of diagnostic and surgical interventions for patients undergoing surgeries related to specific body systems. Students plan, prepare, and anticipate the surgeon's needs for any given surgical procedure. Students experience the pre-operative and intra-operative course for each surgery, including appropriate client positioning, supplies, necessary equipment and instrumentation, procedural steps, and specimen care, in a mock lab setting. Offered pass/no pass only.

SURG 105L: Clinical Practice for Surgical Technology

Units: 11

Prerequisites: SURG 104 and SURG 104L.

Acceptable for Credit: CSU

Laboratory 33 hours. (1217.00)

Course Typically Offered: Fall

This course provides students with clinical experience in the operating room as well as with skills necessary to function as beginning surgical technologists. Under direct supervision and guidance of preceptors, students gain proficiency in responding to the needs of the surgical patient during the preoperative, intraoperative, and postoperative phases of a surgical procedure and for serving in various roles, such as first scrub, circulator, and first assistant in the operating room. Offered Pass/No Pass only.

SURG 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.

SURG 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.

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 attitudes needed for career success. In addition to the general work experience course (WKEX 233), occupational work experience courses are offered in all career and technical education disciplines (see courses numbered 299 in career and technical disciplines).

Contact Information

Chair: Donna Davis**Dean:** Al Taccone

www.miracosta.edu/

instruction/careerservices/

forstudents-get-an-internship-or-

coop.html#

Department: Career Studies & Services**Office:** Building OC4700,

760.795.6772

Courses

WKEX 233: Cooperative Work Experience – General

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 13.63 hours. (4932.00)

Course Typically Offered: To be arranged

General Cooperative Work Experience is intended for students 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

The background of the page is a solid light blue color. Overlaid on this are several wavy, horizontal bands of a darker blue color. These bands vary in thickness and opacity, creating a sense of movement and depth. The waves are most prominent in the upper half of the page and gradually fade out towards the bottom.

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 course work, 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: he or she 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 miracosta.edu/ahsdp.

Note: Students enrolled in this program cannot receive federal financial aid.

Accreditation: The MiraCosta College Adult High School is fully accredited by the Schools Commission of the 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. There are some costs for the rental or purchase of books.

Hours Per Class/Credits Earned: Each adult high school course includes 49.5 in-class instructional hours plus 49.5 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 summer intersession.

Counseling and Evaluation: Counselors evaluate a student's standing upon his or her 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 seven 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 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 he/she 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 draftsman for 5 months, he/she would be eligible to apply for five work achievement elective credits

as a machinist, but he/she would not be eligible to receive credit for the work as a draftsman.

- ▶ 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.

Diploma Requirements

1. 170 high school credits in the following areas as indicated:

English		40
HSENG 15	English Grammar 1 ¹	
HSENG 16	English Grammar 2 ¹	
HSENG 17	Basic Skills: Reading and Study Strategies ¹	
HSENG 21	English 1 ¹	
HSENG 22	English 2 ¹	
HSENG 23	English 3 ¹	
HSENG 25	English 4 ¹	
HSENG 30	English Skills Lab ¹	
HSENG 40	Information Literacy ¹	
Natural Sciences *		20
HSSCI 21	Life Science 1 - Biology	
HSSCI 22	Life Science 2 - Human Anatomy and Physiology	
HSSCI 11	Physical Science 1 - Chemistry	
HSSCI 12	Physical Science 2 - Physics	
Mathematics **		30
HSMTH 11	Basic Skills Math 1 ¹	
HSMTH 12	Basic Skills Math 2 ¹	
HSMTH 13	Basic Skills Math 3 ¹	
HSMTH 20	Algebra Essentials 1 ¹	
HSMTH 21	Algebra Essentials 2 ¹	
HSMTH 30	Geometry Essentials ¹	
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	Digital Storytelling ¹	
Electives		40
HSWFP 11	Applied Computer Skills 1 (See Sources of Credit)	
Total Units		170

¹ HSENG 15 - 25 and HSENG40: Courses may be repeated one time each for credit, as stated in the course descriptions. HSENG 30: English Skills Lab. This course may be repeated up to 3 times for credit, as stated in the course description. HSIFA13: Course may be repeated one time for credit, as stated in the course descriptions. HSMTH 11 - 30: Courses may be repeated one time each for credit, as stated in the course descriptions.

* Must include both Life and Physical Sciences

** Must include 5 credits in HSMTH 20, HSMTH 21, HSMTH 30, or equivalent

***Must include HSAGT 10, HSECN 10, 10 credits in U.S. History, and 10 credits in World History and Geography

2. Students must earn 20 credits in residence.

3. Students must meet proficiency requirements in English and mathematics.

Scholarship and Attendance

Satisfactory progress must be demonstrated by satisfactory achievement (scholarship) and attendance. More than 6 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 descriptions.

Degree Conferred

A high school diploma is conferred upon completion of the diploma requirements.

Contact Information

Chair: Angela Senigaglia

Dean: Nikki Schaper

Full-Time Faculty

Julie Cord
Erica Duran
Angela Senigaglia
Steve Wezniak

Program Student Learning Outcomes (PSLOs)

Adult High School Diploma

PSLO: Upon completion of this diploma, students will obtain an awareness of, and preparation for, higher education.

PSLO: Upon completion of this diploma, students will acquire improved workplace skills for employability.

PSLO: Upon completion of this diploma, students will demonstrate improved self-efficacy.

PSLO: Upon completion of this diploma, students will model a sensitivity to and an awareness of diverse perspectives.

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. (4930.62)

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. (4930.62)

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. (4930.62)

Course Typically Offered: Fall, Spring, and Summer

The English Grammar 1 is a review of basic English skills in all areas through a prescriptive reading, writing, and grammar program as well as supplemental assignments targeted toward readers and writers who desire a pre-collegiate review. It is aligned with the California English Language Arts Content Standards and CB21 for ABE/ASE English courses two levels below to transfer. (May be repeated once.)

HSENG 16: English Grammar 2

High School Credits: 5

Prerequisites: None

Lecture 3 hours. (4930.62)

Course Typically Offered: Fall, Spring, and Summer

The English Grammar 2 is a review of advanced English skills in all areas through a prescriptive reading, writing, and grammar program as well as supplemental assignments targeted toward readers and writers who desire a pre-collegiate review. It is aligned with the California English Language Arts Content Standards and CB21 for ABE/ASE English courses two levels below to transfer. (May be repeated once.)

HSENG 17: Basic Skills: Reading and Study Strategies

High School Credits: 5

Prerequisites: None

Lecture 3 hours. (4930.62)

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. (This course may be repeated once.)

HSENG 21: English 1

High School Credits: 5

Prerequisites: None

Lecture 3 hours. (4930.62)

Course Typically Offered: Fall, Spring, and Summer

This course helps students improve basic skills in reading, writing, listening, speaking, and grammar. It introduces students to the writing process through basic autobiographical and short narrative responses. Class instruction emphasizes vocabulary development, reading comprehension and analysis of level-appropriate texts, and a command of Standard American English. Students also learn basic MLA formatting and display oral communication competency through basic presentation preparation and delivery. (This course may be repeated once.)

HSENG 22: English 2

High School Credits: 5

Prerequisites: None

Lecture 3 hours. (4930.62)

Course Typically Offered: Fall, Spring, and Summer

This course builds upon the basic skills in reading, writing, listening, speaking, and grammar from English 1. It introduces students to the writing processes of the five paragraph literary/expository essay on historically relevant topics for both in-class and at-home essay compositions. Class instruction emphasizes intermediate reading comprehension and analysis of level-appropriate texts and a continued command of Standard American English. Students also learn intermediate MLA formatting and display oral communication competency through an oral presentation and visual/multimedia aide. (This course may be repeated once.)

HSENG 23: English 3

High School Credits: 5

Prerequisites: None

Lecture 3 hours. (4930.62)

Course Typically Offered: Fall, Spring, and Summer

This course develops intermediate skills in reading, writing, listening, speaking, and grammar. It continues to allow students to practice the writing processes of the five-paragraph literary/expository essay introduced in English 2, but it moves into methods for writing argumentative paragraphs and essays on culturally relevant topics for both in-class and out-of-class compositions. Class instruction emphasizes intermediate reading comprehension and analysis of level-appropriate texts and a continued command of Standard American English. Students also learn advanced MLA formatting for in-text citations and display oral communication competency through an oral presentation and visual/multimedia aide. (This course may be repeated once.)

HSENG 25: English 4

High School Credits: 5

Prerequisites: None

Lecture 3 hours. (4930.62)

Course Typically Offered: Fall, Spring, and Summer

This course develops advanced skills in reading, writing, listening, speaking, and grammar. It continues to allow students to practice the writing processes of the argumentative essay introduced in English 3 but moves into methods for writing research paragraphs and essays on contemporary issues for both in-class and out-of-class compositions. Class instruction emphasizes advanced reading comprehension and analysis of level-appropriate texts and a continued command of Standard American English. Students also learn advanced MLA formatting for in-text citations and display oral communication competency through an oral presentation and visual/multimedia aide with involved the use of PowerPoint. (This course may be repeated once.)

HSENG 30: English Skills Lab

High School Credits: 5

Prerequisites: None

Laboratory 3 hours. (4930.62)

Course Typically Offered: Fall, Spring, and Summer

The English Skills Lab is designed to improve English skills in all areas through a prescriptive reading, writing, and grammar program as well as supplemental assignments targeted towards readers and writers who require a pre-collegiate review of such skills. (This course may be repeated three times for a maximum of 20 credits.)

HSENG 40: Information Literacy

High School Credits: 5

Prerequisites: None

Lecture 3 hours. (4930.62)

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. (4930.62)

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. (4930.62)

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: Digital Storytelling

High School Credits: 5

Prerequisites: None

Lecture 3 hours. (4930.62)

Course Typically Offered: Summer

This course teaches participants to find and focus the stories of their lives and tell them through video production. Instruction emphasizes personal narrative and advanced technologies in the service of creative expression. Students write, produce, and publish three- to five-minute digital stories that integrate narration, images, and music. Class time is split between lecture/discussion and hands-on computer skills development. (May be repeated once.)

HSMTH 11: Basic Skills Math 1

High School Credits: 5

Prerequisites: None

Lecture 3 hours. (4930.62)

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. (4930.62)

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. (4930.62)

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. (4930.62)

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. (4930.62)

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.)

HSMTH 30: Geometry Essentials

High School Credits: 5

Prerequisites: None

Lecture 3 hours. (4930.62)

Course Typically Offered: Fall, Spring

Geometry Essentials is intended for students with little or no previous geometry experience. Topics include segments and angles, triangles, parallel and perpendicular lines, polygons, special quadrilaterals, the coordinate plane, circles, area, and volume. This course incorporates many of the skills and techniques outlined in the Secretary's Commission on Achieving Necessary Skills (SCANS) report as fundamental skills and workplace competencies. (May be repeated once.)

HSSCI 11: Physical Science 1 - Chemistry

High School Credits: 5

Prerequisites: None

Lecture 3 hours. (4930.62)

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. (4930.62)

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 1 - Biology

High School Credits: 5

Prerequisites: None

Lecture 3 hours. (4930.62)

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. (4930.62)

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.

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. (4930.62)

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. (4930.62)

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 1

High School Credits: 5

Prerequisites: None

Lecture 3 hours. (4930.62)

Course Typically Offered: Fall, Spring

In this course, students develop essential computer and information technology skills for workplace and educational success. They develop some proficiency in using word processing software; access, evaluate, and utilize information resources using the Internet and Web browsers; and get familiar with a course management system. Previous experience using computers 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. (4930.62)

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. (4930.62)

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.

Noncredit

Tuition-Free Noncredit



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 noncredit instruction: elementary and secondary basic skills, English as a Second Language (ESL) and citizenship, health

Continuing Education

and safety, older adults, parenting, special education for adults, and short-term vocational.

Specific information about the program is available on the Continuing Education website. The schedule of classes is published in the Continuing Education Schedule.

Contact Information

Chair: Kristi Reyes
Dean: Nikki Schaper
www.miracosta.edu/noncredit

Department: Noncredit ESL Department, Short Term Vocational Department, and Other Noncredit Department
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

Adult Basic Education Courses

NCABE 90: Adult Basic Education: Reading

Prerequisites: None
Lecture 3 hours. (4930.60)
Course Typically Offered: Fall, Spring

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. (May be repeated once.)

NCABE 92: GED Preparation

Prerequisites: None
Advisory: HSENG40
Lecture 6 hours. (4930.62)
Course Typically Offered: Fall, Spring, and Summer

This course prepares students to pass the new GED exam. It provides both online and in-person lab instruction as well as individualized coaching. The course introduces students to the four subject tests, determines their present readiness, and provides an individualized course of study. Topics include GED exam costs, testing options, the scheduling process, and how to use GED preparation and passage as a pathway to further career and education success. Once orientation is completed, the course may be modified to fit student schedules, making it an ideal course for busy adults seeking a structured computer-based program with a flexible in-class schedule and a supportive learning environment.

NCABE 94: Adult Basic Education: Writing

Prerequisites: None
Lecture 3 hours. (4930.60)
Course Typically Offered: Fall, Spring

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.)

English as a Second Language Courses

NCESL 10: English as a Second Language, Level 1

Prerequisites: None
Lecture 6 hours. (4930.87)
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 20: Noncredit ESL Conversation Skills for Beginning Students

Prerequisites: None
Lecture 3 hours. (4930.87)
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. (4930.87)
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. (4930.87)
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. (4930.87)

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 30: Noncredit ESL Conversation Skills for Intermediate Students

Prerequisites: None

Lecture 3 hours. (4930.87)

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. (4930.87)

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. (4930.87)

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 (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 40: English as a Second Language, Level 6

Prerequisites: None

Lecture 6 hours. (4930.87)

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. (4930.87)

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 50: English as a Second Language, Learning Lab

Prerequisites: None

Lecture 6 hours. (4930.87)

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 62: Career-Track ESL

Prerequisites: None

Lecture 6 hours. (4931.00)

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.

NCESL 65: English as a Second Language, Citizenship

Prerequisites: None

Lecture 6 hours. (4930.90)

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

Prerequisites: None (Prerequisites: None)

Course Typically Offered: Lecture 3 hours. (4930.87)

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.

NCESL 82: Computers and Digital Literacy (CDL) for ESL Students (Intermediate/Advanced Level)

Prerequisites: None

Prerequisites: None (Prerequisites: None)

Course Typically Offered: Lecture 3 hours. (4930.87)

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.

Health and Safety Courses

NCHLT 11: Spinal Fitness

Prerequisites: None

Laboratory 4 hours. (0835.10)

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 Foundation Exercise Program

Prerequisites: None

Laboratory 2.75 hours. (0835.10)

Course Typically Offered: Fall, Spring, and Summer

This non-clinical 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. Offered in partnership with the Arthritis Foundation, this course is taught by a faculty member who has been trained and certified by the Arthritis Foundation.

NCHLT 75: Balance and Mobility

Prerequisites: None

Laboratory 3 hours. (0837.00)

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. (1002.10)

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. (1002.10)

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. (1002.10)

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. (1002.10)

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. (1002.10)

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. (1002.10)

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. (1002.10)

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. (1002.10)

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. (1002.10)

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. (1002.20)

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: Weight Management for Seniors

Prerequisites: None

Lecture 2 hours. (0837.00)

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 70: Body Conditioning Over Easy

Prerequisites: None

Laboratory 4 hours. (0835.10)

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. (0835.10)

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. (0835.10)

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 person, including the mind, body, and spirit.

NCHAS 82: Tai Chi Chuan for Seniors, Intermediate

Prerequisites: None

Laboratory 2 hours. (0835.10)

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. (0835.10)

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. (0835.10)

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. (1004.00)

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. (2001.00)

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. (2001.00)

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. (1507.00)

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 20: Life Story Writing

Prerequisites: None

Lecture 2.75 hours. (1507.00)

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. (1305.90)

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.

Short-Term Vocational Courses

NCVOC 10: IT Basics

Prerequisites: None

Lecture 3 hours, laboratory 1.50 hours. (0708.10)

Course Typically Offered: To be arranged

This course introduces the computer hardware and software skills needed to help meet the growing demand for entry-level information and communications technology (ICT) professionals. Topics include the fundamentals of computer hardware and software as well as advanced concepts such as security, networking, and the responsibilities of an ICT professional. This course prepares students for CompTIA's A+ certification exam. The course is also a pathway to Cisco program courses.

NCVOC 11: Computer Networking Basics

Prerequisites: None

Lecture 3 hours, laboratory 1.50 hours. (0708.10)

Course Typically Offered: Fall, Spring, and Summer

This course provides a hands-on introduction to networking and the Internet using tools and hardware commonly found in home and small business environments. It teaches students the skills needed to obtain entry-level networking jobs. Students develop some of the skills needed to become computer and network technicians, cable installers, and help desk technicians. This is the first in a two-course sequence that prepares students for the Cisco Certified Entry Network Technician (CCENT) exam.

NCVOC 12: Routing and Switching Basics

Prerequisites: NCVOC11 or equivalent to ensure students have the knowledge and skills required to succeed in NCVOC12. CCENT or higher Cisco certification, current or expired.

Lecture 4 hours, laboratory 1.50 hours. (0708.10)

Course Typically Offered: Fall, Spring

This course prepares students for jobs as network, help desk, and support technicians. The course provides a basic overview of routing and switching, addressing, and security. It also familiarizes students with servers that provide email services, web space, and authenticated access. The course prepares students for the Cisco Certified Entry Network Technician (CCENT) exam. The course also covers network monitoring and basic troubleshooting skills in context.

NCVOC 13: Intermediate Routing and Switching

Prerequisites: NCVOC12 or CCENT or higher Cisco Certification to ensure students have the knowledge and skills that are necessary for success.

Lecture 3 hours, laboratory 1.50 hours. (0708.10)

Course Typically Offered: Fall or Spring

This course describes the architecture, components, and operations of routers and switches in larger and more complex networks. Students learn how to configure routers and switches for advanced functionality. By the end of this course, students are able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, and STP in both IPv4 and IPv6 networks. Students also develop the knowledge and skills needed to implement a WLAN in a small-to-medium network.

NCVOC 14: Connecting Networks

Prerequisites: NCVOC12 or CCENT or higher Cisco certification to ensure students have the knowledge and skills that are necessary for success.

Lecture 3 hours, laboratory 1.50 hours. (0708.10)

Course Typically Offered: Fall or Spring

This course discusses wide area network (WAN) technologies and network services required by converged applications in a complex network. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements. Students learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. Students also develop the knowledge and skills needed to implement virtual private network (VPN) operations in a complex network.

NCVOC 31: Basic Word Processing

Prerequisites: None

Lecture 1.50 hours. (0702.10)

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to word processing using basic formatting tools and features of word processing software to create various documents, such as business letters, flyers, and beginning desktop publishing.

NCVOC 32: Intermediate Word Processing

Prerequisites: None

Lecture 1.50 hours. (0702.10)

Course Typically Offered: Fall, Spring, and Summer

In this sequel to Basic Word Processing, students explore the many shortcuts and document formatting tools of word processing, including mail merge, templates, tables, and importing information from other applications.

NCVOC 35: Internet, Intermediate

Prerequisites: None

Lecture 1.50 hours. (0702.10)

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to Internet usage skills and safety considerations. Students learn to locate webpages, search for information, bookmark favorite locations, set up/manage an email account and homepage, and develop an awareness of online etiquette, ethics, software update processes, and cautionary issues within the Internet environment.

NCVOC 37: Beginning Presentation Software

Prerequisites: None

Lecture 1.50 hours. (0702.10)

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.

NCVOC 38: Computer Basics/Keyboarding

Prerequisites: None

Lecture 1.50 hours. (0702.10)

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 use the Internet utilizing a web browser and conduct basic searches using a variety of search engines. Students also learn fundamental keyboarding skills, including Home Row keyboarding skills, in order to develop some level of speed and accuracy using typing programs (local or online).

NCVOC 39: Beginning Spreadsheets

Prerequisites: None

Lecture 1.50 hours. (0702.10)

Course Typically Offered: Fall, Spring, and Summer

This course introduces students to spreadsheets and the ability to create, format, and modify data using formulas and graph tools to create professional looking business worksheets or reports that can be updated efficiently.

NCVOC 42: Introduction to Architecture

Prerequisites: None

Lecture 1 hour, laboratory 2 hours. (0953.00)

Course Typically Offered: To be arranged

This course provides students with an introduction to the field of architecture. Students learn about the courses, certifications, and programs in architecture at MiraCosta College as they are introduced to career pathways in the field. This noncredit course allows students to learn about options and pathways before embarking on a credit course of study.

NCVOC 43: Introduction to Career Technical Education

Prerequisites: None

Lecture 3 hours. (4930.10)

Course Typically Offered: To be arranged

This course provides students an overview of the career technical education courses, certifications, and programs available at MiraCosta College. Topics include student options for technical training at MiraCosta and the pathways to complete training and prepare for a career. This is a noncredit course that allows students to better plan for their course of study before committing to a credit course of study.

NCVOC 50: Basic Auto Tune Up

Prerequisites: None

Lecture 3 hours. (0948.00)

Course Typically Offered: Fall, Spring

This course covers the basic theory and operation of the internal combustion engine, including carburation, fuel injection, and ignition systems. It also introduces students to the fundamentals of emissions and emission controls as well as minor diagnoses and repair. The course emphasizes safety and the proper use of automotive testing equipment and hand tools and includes the inspection, maintenance, and minor servicing of the brake system and tires. At the end of this course, students will be able to perform an oil change, tune-up, and basic service on their own vehicles.

NCVOC 60: Securing the Network

Prerequisites: Completion of NCVOC12 or equivalent, or CCENT or equivalent certification.

Lecture 4 hours, laboratory 2 hours. (0708.10)

Course Typically Offered: Spring

This course aims to develop an in-depth understanding of network security principles as well as the tools and techniques available. The course covers protocol sniffers/analyzers, TCP/IP and common desktop utilities, Cisco IOS software, and VPN clients. The course prepares students for Cisco CCNA Security certification.

Special Education Courses

NCSPC 25: Effective Life Skills for Adults with Developmental Disabilities

Prerequisites: None

Lecture 10 hours. (4930.32)

Course Typically Offered: Fall, Spring

This course provides adults with intellectual and/or developmental disabilities the skills to enhance employability and job success while increasing their independence in daily life. The course supports students in identifying positive and creative means to develop personal and cultural values and overall problem-solving skills; improve conversational and social networking skills; increase self esteem; explore job and employment opportunities; broaden experience in the use of leisure and recreational time; gain confidence in using community resources; and increase skill in budgeting and managing money.

NCSPC 26: Basic Academic Skills for Adults with Developmental Disabilities

Prerequisites: None

Lecture 5 hours. (4930.32)

Course Typically Offered: Fall, Spring, and Summer

This course focuses on increasing basic academic skills for adults with intellectual and developmental disabilities. Students work in areas of reading, writing, spelling and speaking, basic mathematics, use of basic computer applications, health and physical education, and over-all problem solving. Class time includes individual and small group work with an emphasis on understanding the application of academic skills to real life. Students work toward achieving goals established on their Noncredit Educational Assistance Class Measurable Progress Report.

NCSPC 27: Basic Computer Skills I for Learners with Intellectual and Developmental Disabilities

Prerequisites: None

Lecture 5 hours. (0702.10)

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 II for Learners with Intellectual and Developmental Disabilities

Prerequisites: None

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.

Workforce Preparation Courses**NCWFP 11: Essential Computer Skills 1**

Prerequisites: None

Lecture 3 hours. (4930.12)

Course Typically Offered: To be arranged

In this course, students develop essential computer and information technology skills for workplace and educational success. They develop some proficiency in using word processing software; access, evaluate, and utilize information resources using the Internet and Web browsers; and get familiar with a course management system. Previous experience using computers is recommended.

Community Education & Workforce Development

www.miracosta.edu/instruction/communityservices/

Community Education

Community Education functions as an integral part of MiraCosta by providing the college with educational, cultural, and recreational programs and activities. Community Education offers flexible, timely responses to community interests and needs beyond the traditional college curriculum through not-for-credit classes, workshops, training, excursions, and special events, all supported by participants' fees. The English Language Institute (ELI), a full-time intensive English language program designed for international students, is one program administered by Community Education and Workforce Development. The Community Education Bulletin, published three times per year, identifies all Community Education offerings.

**Workforce Development**

Workforce Development links business, industry, and government agencies with MiraCosta's educational resources. As part of the college's commitment to address the community's needs, MiraCosta offers flexible, comprehensive on-site education to meet the requirements of both growing and established employee-training and management-development programs. The college creates classes and workshops to comply with a company's specific goals. Courses can begin anytime there is a need and may be offered not-for-credit, noncredit, or for credit. These programs are not limited to large businesses. "Pooling" employees with common interests from several small companies to form a quality training program is also possible.

Academic Standards & Policies

Academic Freedom

Academic freedom in the classroom (understood as all teaching modalities) is the right of faculty members to interpret their fields and to communicate conclusions without being subjected to interference or penalty because these conclusions may be at variance with those of constituted authorities, organized groups, or individuals.

Academic freedom carries with it corresponding responsibility. Academic responsibility emphasizes the obligation to study facts, to present and interpret ideas concerning human society and all fields of knowledge. Since human knowledge is limited and changeable, faculty members will acknowledge the facts on which controversial views are based and show respect for opinions held by others. While striving to avoid bias, faculty members may nevertheless present the conclusions to which they believe the evidence points, both in the classroom and outside of it. However, controversial matters that bear no relation to the subject matter should not be introduced into classes.

The academic freedom of students is the freedom to express and to defend their views, to question, and to differ with the views of their instructors or the district, without penalty.

(Source: MCCD Board Policy 4030. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Academic Integrity & Discipline Appeal Process

Academic Integrity

MiraCosta College highly values academic integrity. At the core, this means 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 some broad, general guidelines and allows instructors to be more restrictive according to their preferences and practices.

Examples of academic dishonesty include but are not limited to the following:

- A. Cheating: Copying from another student or using unauthorized aids or persons during an examination.
- 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.

Remedies for violations of academic integrity may include a verbal warning, a lowered assignment grade, submission of an academic integrity report to the Vice President, Student Services, or designee (for placement into the student's permanent discipline file), or a recommendation to the Vice President, Student Services, for suspension from the class for repeated or egregious offenses at the discretion of the instructor. Instructors may consult with the Vice President, Student Services, for identification of appropriate remedies per state statutes and codes.

Academic Dishonesty Discipline Appeal Process

A student who is determined by a faculty member to have been academically dishonest (cheating, plagiarizing, falsification of information, helping other students to cheat, etc.) has the right to appeal a faculty member's decision. The appeal process is as follows:

- A. Within ten (10) instructional days (excluding weekends and holidays), the student may appeal the faculty member's action by contacting the department chairperson who must respond in writing within ten (10) instructional days of the appeal having been submitted.
- B. If the student wishes to appeal the department chairperson's decision, s/he may make a final written appeal to the Vice President, Instructional Services, within ten (10) instructional days of receiving the chairperson's decision. The vice president's decision is final and will be mailed to the student within ten (10) instructional days.
- 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 the course, the student must follow the procedures outlined in Administrative Procedure 4231 on grade changes.

(Source: MCCD 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 select courses wisely. 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 course work 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 he or she 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 he or she has 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.

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." 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 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 overcome his/her academic deficiencies. 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," "I," "NC," and "NP" 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 spring semester, a student who is on **academic probation** after three consecutively enrolled semesters shall be subject to dismissal for the following fall semester if the student earned a cumulative grade-point average of less than 2.0 in all units attempted.

At the end of the spring semester, a student who has been placed on **progress probation** shall be subject to dismissal for the following fall semester 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 three consecutive semesters reaches or exceeds 50 percent at the end of the spring semester. (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," 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. Information on support services and appeal procedures will be included in the notification.

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 semester, and (b) consults with a counselor to determine whether the reasons that led to dismissal have been corrected sufficiently to enable improved performance.

Students who believe their dismissal should be put aside 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 dean of Counseling and Student Development will notify the student of the decision within 14 days of the student's appeal. The student may appeal the decision of the Committee on Exceptions in writing to the superintendent/president within 30 days of the date of notification of the decision of the Committee on Exceptions. The decision of the superintendent/president is final.

If the dismissal appeal is granted, the student will be continued on probation for an additional semester. At the end of the additional semester, the student's academic record will again be evaluated to determine whether the student may be removed from probation, should be dismissed, or should be continued on probation.

Committee on Exceptions

The Committee on Exceptions deals with the occasional need to deviate from policy or procedure. In cases where students feel that such a deviation can be justified, they may request that the Committee on Exceptions render a decision. Such a request must be in writing (preferably typed) and should contain at least the following:

- ▶ Precise explanation of what policy or procedure is in question and what adjustment is requested.
- ▶ Clear statement of why the committee should feel compelled to grant the request.

The Committee on Exceptions meets as needed and is composed of the dean of Counseling and Student Development, chair; vice president of Instructional Services (or designee); the director of Admissions and Records; a counselor; and faculty representatives.

A student who is subject to dismissal may submit a written appeal 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.

(Sources: MCCD 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 15 units of previously recorded substandard course work to be disregarded in the computation of a student's grade point average if it is not reflective of a student's demonstrated ability. Any units excluded by other institutions will be recognized as excluded by MiraCosta College and included in the maximum 15 unit allowance.

The units proposed for exclusion must have been taken at MiraCosta College at least two years prior to the petition, and the student must have completed a minimum of 15 units with a GPA of 2.0 or better (on a 4.0 scale), with at least 9 of the 15 units taken at MiraCosta College, subsequent to the completion of the units the student is petitioning to exclude. No units may be excluded for course work that has previously been used to fulfill degree, certificate, or transfer certification requirements.

A student may petition for exclusion of units at MiraCosta College only one time. The student must meet with a counselor prior to submitting his or her petition for academic renewal to the office of Admissions and Records.

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: MCCD 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 individual counseling for students who have questions or concerns about their use of alcohol or use of other substances, referral to community resources such as Alcoholics Anonymous or Narcotics Anonymous, and 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 workshops, and in any facility or vehicle operated by the district.

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.

Alcoholic beverages are only permitted on district property or facilities used for district-sponsored events in specific cases, as outlined in MCCD Administrative Procedure 3560.

As a condition of employment, employees must notify the district within 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 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. All other use of tobacco or tobacco products is prohibited, including the use of electronic cigarettes and vapor-producing paraphernalia.

(Sources: MCCD Board Policy/Administrative Procedure 3550; MCCD Board Policy/Administrative Procedure 3560; MCCD Board Policy/Administrative Procedure 3570. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Attendance

Students must attend the first class meeting and arrive on time or risk being dropped from the class to make room for another student. 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.

If a student chooses to drop a class, it is his/her responsibility to do so using the SURF online enrollment system or in person at the Admissions and Records Office.

(Source: MCCD 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 his or her **status, rights, or privileges as a student** should follow the procedures described on the Student Rights & Grievances (p. 374) 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. 363) 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 should contact the Title IX coordinator and/or the MiraCosta College Police Department.

Staff members in those areas will assist students with the correct processes for resolution.

Additional Resources

The California Community Colleges Chancellor's Office (CCCCO) provides students and others with a method and process outside of the institution that takes, investigates, and responds to complaints regarding the institution.

- ▶ **California Community Colleges Chancellor's Office:** (Student Complaints) <http://californiacommunitycolleges.cccco.edu/ComplaintsForm.aspx#complaintForm>
- ▶ **California Community Colleges Chancellor's Office:** (Unlawful Discrimination Complaints). If your complaint involves a claim of unlawful discrimination, please refer to the Chancellor's Office website at: <http://extranet.cccco.edu/Divisions/Legal/Discrimination.aspx>

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, Surgical Technology, 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 nonevaluative (I, IP, RD, W, MW) symbol for a course. Enrollments include any combination of withdrawals and repetition.

A student may withdraw and receive a "W" symbol on his or her 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 enrolled to participate in an organized competitive sport sponsored by the district or a physical conditioning course that supports it.

Academic Standards & Policies

- ▶ 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 Course Work

A student may repeat a non-repeatable course in which he or she earned a substandard grade (D, F, FW, NP/NC) at MiraCosta College or at any other accredited college or university.

- ▶ If the student receives a satisfactory grade after repeating the course once, he or she may not repeat the course a second time under the Repetition to Alleviate Substandard Course Work provision.
- ▶ If the student repeats the course and receives another substandard grade, he or she may repeat the course one additional time.
- ▶ If upon the second repetition the student receives another substandard grade, he or she may not repeat the course a third time under the Repetition to Alleviate Substandard Course Work provision except by petition to the Committee on Exceptions.

Upon each repetition of a course to alleviate substandard course work, 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

A student may petition to the Committee on Exceptions to repeat a course in which he or she 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 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 his or her transfer to the institution of higher education.

The student 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 enrollment 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 he or she is 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. 363) and Student Rights & Grievances (p. 374).)

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: MCCCD 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. Faculty must get approval from the Vice President of Instructional Services 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 disciplined 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)	

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 enrollment, 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. 354).)

Non-Evaluative Symbols

Symbol	Definition
I	Incomplete
IP	In Progress
RD	Report Delayed
W	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 enrolled in an "open-entry/open-exit" course is assigned an "IP" at the end of an attendance period and does not re-enroll 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 he or she reasonably believed that remaining in the course would subject him or her to discriminatory treatment or retaliation for alleging discriminatory treatment.

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 by Examination

A notation shall be added to the transcript when a course is taken by examination.

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 his or her 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 101	3.0	C	(3 x 2.0 =) 6.0
BIO 101L	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, or NP
- ▶ **Nonevaluative symbols**—I, IP, RD, W, 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 his/her 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 his/her 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 his/her 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

A student who requests a grade change from an evaluative symbol to a "W" (Withdrawal) or "NR" (No Record) must submit his or her 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 sexual harassment and all forms of sexual intimidation and exploitation including acts of sexual violence. It shall also be free of other 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, age, sexual orientation of any person, or military

and veteran status, or because he or she is 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, sexual orientation of any person, military and 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 his or her 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 if it meets the definition above. 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. 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 his or her 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 when 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 is severe, i.e., a sexual assault.

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 between a supervisor and an employee or between any employee (whether administrator, faculty member or classified staff member) and a student are discouraged. There is an inherent imbalance of power and potential for exploitation in such relationships. A conflict of interest may arise if the administrator, faculty 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 teacher 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 employees and students 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. All allegations of retaliation will be swiftly and thoroughly investigated. 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 or employee who believes that he or she has 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. Supervisors are mandated 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.

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.

Filing an Unlawful Discrimination Complaint

Introduction and Scope

These are the written procedures for filing and processing complaints of unlawful discrimination at MiraCosta Community College District. The procedures incorporate the legal principles contained in nondiscrimination provisions of the California Code of Regulations, Title 5, §§59300 et seq. as well as other state and federal substantive and procedural requirements.

A copy of these written policies on unlawful discrimination will be displayed in a prominent location in the Human Resources Department or other area(s) where notices regarding the institution's rules, regulations, procedures, and standards of conduct are posted.

Definitions

Definitions applicable to nondiscrimination policies are as follows:

Appeal—means a request by a complainant made in writing to the MiraCosta Community College District Board of Trustees pursuant to Title 5 to review the administrative determination of the district regarding a complaint of discrimination.

Association with a person or group with these actual or perceived characteristics—includes advocacy for or identification with people who have one or more characteristics of a protected category listed under "Unlawful Discrimination Policy" and Title 5, §59300, participation in a group associated with persons having such characteristics, or use of a facility associated with use by such persons.

Complaint—means a written and signed statement meeting the requirements of Title 5, §59328 that alleges unlawful discrimination in violation of the nondiscrimination regulations adopted by the board of governors of the California Community Colleges, as set forth at Title 5, §59300 et seq.

Days—means calendar day.

Gender—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.

Mental disability—includes, but is not limited to, all of the following:

- ▶ Having any mental or psychological disorder or condition, such as mental retardation, organic brain syndrome, emotional or mental illness, or specific learning disabilities that limits a major life activity. For purposes of this section:
 - ▶ "Limits" shall be determined without regard to mitigating measures, such as medications, assistive devices, or reasonable accommodations, unless the mitigating measure itself limits a major life activity.
 - ▶ A mental or psychological disorder or condition limits a major life activity if it makes the achievement of the major life activity difficult.
 - ▶ "Major life activities" shall be broadly construed and shall include physical, mental, and social activities and working.

- ▶ Any other mental or psychological disorder or condition not described in paragraph 1 that requires specialized supportive services.
- ▶ Having a record or history of a mental or psychological disorder or condition described in paragraph 1 or 2 that is known to the district.
- ▶ Being regarded or treated by the district as having, or having had, any mental condition that makes achievement of a major life activity difficult.
- ▶ Being regarded or treated by the district as having, or having had, a mental or psychological disorder or condition that has no present disabling effect, but that may become a mental disability as described in paragraph 1 or 2.

Mental disability does not include sexual behavior disorders, compulsive gambling, kleptomania, pyromania, or psychoactive substance use disorders resulting from the current unlawful use of controlled substances or other drugs.

Physical disability—includes, but is not limited to, all of the following:

- ▶ Having any physiological disease, disorder, condition, cosmetic disfigurement, or anatomical loss that does both of the following:
 - ▶ Affects one or more of the following body systems: neurological, immunological, musculoskeletal, special sense organs, respiratory, including speech organs, cardiovascular, reproductive, digestive, genitourinary, hemic and lymphatic, skin, and endocrine.
 - ▶ Limits a major life activity. For purposes of this section:
 - ▶ "Limits" shall be determined without regard to mitigating measures such as medications, assistive devices, prosthetics, or reasonable accommodations, unless the mitigating measure itself limits a major life activity.
 - ▶ A physiological disease, disorder, condition, cosmetic disfigurement, or anatomical loss limits a major life activity if it makes the achievement of the major life activity difficult.
 - ▶ "Major life activities" shall be broadly construed and includes physical, mental, and social activities and working.

- ▶ Any other health impairment not described in paragraph 1 that requires specialized supportive services.
- ▶ Having a record or history of a disease, disorder, condition, cosmetic disfigurement, anatomical loss, or health impairment described in paragraph 1 or 2, which is known to the district.
- ▶ Being regarded or treated by the district as having, or having had, any physical condition that makes achievement of a major life activity difficult.
- ▶ Being regarded or treated by the district as having, or having had, a disease, disorder, condition, cosmetic disfigurement, anatomical loss, or health impairment that has no present disabling effect but may become a physical disability as described in paragraph 1 or 2.

Physical disability does not include sexual behavior disorders, compulsive gambling, kleptomania, pyromania, or

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psychoactive substance use disorders resulting from the current unlawful use of controlled substances or other drugs.

District—means the MiraCosta Community College District or any district program or activity that is funded directly by the state or receives financial assistance from the state. This includes the district Personnel Commission and any other organization associated with the district or its college(s) that receives state funding or financial assistance through the district.

Responsible District Officer—means the officer identified by the district to the Chancellor's Office as the person responsible for receiving complaints filed pursuant to Title 5, §59328, and coordinating their investigation. At MiraCosta Community College District, this is the director of Human Resources.

Sexual harassment—is unlawful discrimination in the form 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 workplace or in the educational setting.

Sexual orientation—means heterosexuality, homosexuality, or bisexuality.

Unlawful discrimination—means discrimination based on a category protected under Title 5, §59300, including sexual harassment and retaliation.

Retaliation

It is unlawful for anyone to retaliate against someone who files an unlawful discrimination complaint, who refers a matter for investigation or complaint, who participates in an investigation of a complaint, who represents or serves as an advocate for an alleged victim or alleged offender, or who otherwise furthers the principles of this unlawful discrimination policy.

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. It is recognized that an essential function of education is a probing of opinions and an exploration of ideas that may cause some students discomfort. It is further recognized that academic freedom insures the faculty's right to teach and the student's right to learn. Finally, nothing in these policies and procedures shall be interpreted to prohibit bona fide academic requirements for a specific community college program, course, or activity.

When investigating unlawful discrimination complaints containing issues of academic freedom MiraCosta Community College District will consult with a faculty member appointed by the Academic Senate with respect to contemporary practices and standards for course content and delivery.

Responsible District Officer

The MiraCosta Community College District has identified the director of Human Resources to the Chancellor's Office and to the public as the single district officer responsible for receiving all unlawful discrimination complaints filed pursuant to Title 5, §59328, and for coordinating their investigation. The actual investigation of complaints may be assigned to other staff or to

outside persons or organizations under contract with the district. Such delegation procedures will be used whenever the officer designated to receive complaints is named in the complaint or is implicated by the allegations in the complaint.

Administrators, faculty members, other district employees, and students shall direct all complaints of unlawful discrimination to the responsible district officer.

Informal/Formal Complaint Procedure

When a person brings charges of unlawful discrimination to the attention of the district's responsible officer, that officer will do the following:

- ▶ Undertake efforts to informally resolve the charges
- ▶ Advise the complainant that he or she need not participate in informal resolution
- ▶ Notify the person bringing the charges of his or her right to file a formal complaint and explain the procedure for doing so
- ▶ Assure the complainant that he or she will not be required to confront or work out problems with the person accused of unlawful discrimination
- ▶ Advise the complainant that he or she may file a nonemployment-based complaint with the Office for Civil Rights of the U.S. Department of Education (OCR) where such a complaint is within that agency's jurisdiction
- ▶ If the complaint is employment-related, the complainant should also be advised that he or she 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.

Before filing a formal, written complaint, the complainant should attempt to resolve the problem by an informal conference with the parties involved. This informal attempt must be completed within 30 days. Students should contact the vice president of Student Services in order to utilize the student due process procedure. Employees and job applicants should contact the director of Human Resources. The vice president of Student Services and the Human Resources director will either serve as mediators in this informal process or appoint someone to serve as the district's mediator.

Efforts at informal resolution need not include any investigation unless the responsible district officer determines that an investigation is warranted by the seriousness of the charges. Selecting an informal resolution does not extend the time limitations for filing a formal complaint. Efforts at informal resolution may continue after the filing of a formal written complaint, but after a complaint is filed an investigation is required to be conducted pursuant to Title 5, §59334, and will be completed unless the matter is informally resolved and the complainant dismisses the complaint. Even if the complainant does dismiss the complaint, the responsible district officer may require the investigation to continue if he or she determines that the allegations are serious enough to warrant an investigation. Any efforts at informal resolution after the filing of a written complaint will not exceed the 90-day period for rendering the administrative determination pursuant to Title 5, §59336.

In employment-related cases, if the complainant files with the Department of Fair Employment and Housing, a copy of

that filing will be sent to the Chancellor's Office requesting a determination of whether a further investigation under Title 5 is required. Unless the Chancellor's Office determines that a separate investigation is required, the district will discontinue its investigation under Title 5 and the matter will be resolved through the Department of Fair Employment and Housing.

The district will allow for representation where required by law and may allow for representation for the accused and complainant in other circumstances on a case-by-case basis.

The purpose of the informal resolution process is to allow an individual who believes she/he has been unlawfully discriminated against or sexually harassed to resolve the issue through a mediation process rather than the formal complaint process. Typically, the informal process will be invoked when there is a simple misunderstanding or the complainant does not wish to file a formal complaint. Resolution of an informal complaint may require nothing more than a clarification of the misunderstanding or an apology from the respondent and an assurance that the offending behavior will cease. However, the district is responsible for maintaining a safe and discrimination-free educational environment and serious allegations may need to be investigated even if the complaining party considers the matter resolved.

In an informal process the district officer shall advise the complainant of his or her rights and responsibilities under both the formal and informal processes. If the complainant declares his or her preference for the informal process, the responsible district officer shall present the complainant with a document that describes the informal/formal process that contains the basics of complainant's allegations of unlawful discrimination. This document will clearly indicate that the complainant opted for the informal resolution process and should be signed and dated by the complainant.

The informal resolution process will not be made a predicate to the process and investigation of a formal complaint. If a formal complaint is filed, an investigation must be completed within the time required unless it is voluntarily rescinded by a complainant as a result of a successful informal resolution.

Filing of Formal Written Complaint

If a complainant decides to file a formal written unlawful discrimination complaint against the district, he or she must file the complaint on a form prescribed by the chancellor. These approved forms are available from the district and the Chancellor's Office website at <http://californiacommunitycolleges.cccco.edu/ComplaintsForm.aspx>.

The completed form must be filed with the district representative or mailed directly to the California Community Colleges Chancellor's Office.

Once a complaint is filed, the individual(s) accused of engaging in prohibited discriminatory conduct should be advised of that filing and the general nature of the complaint. This should occur as soon as possible and appropriate under the circumstances. The district will also advise the accused that an assessment of the accuracy of the allegations has not yet been made, that the complaint will be investigated, that the accused will be provided an opportunity to present his/her side of the matter, and that any conduct that could be viewed as

retaliatory against the complainant or any witnesses must be avoided.

For more information about the harassment and unlawful discrimination complaint process, contact the Human Resources Office, 760.795.6865.

(Sources: MCCD Board Policy/Administrative Procedure 3430 and MCCD 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: MCCD 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 Course Work and Unit Limits

Developmental course work 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 (for example, ENGL 49, ESL 40, MATH 30, etc.). A student's need for developmental course work 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: MCCD 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: MCCD Board Policy 5052. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

Standards of Student Conduct

Student Discipline

The MiraCosta College District Board of Trustees and the college community 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. The Standards of Student Conduct policy and the procedures associated with it clearly delineate and define student conduct expectations 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.

MiraCosta College Student Code of Conduct

Students must refrain from engaging in any of the following behaviors or face the possibility of disciplinary action, which may include suspension or expulsion:

- Causing, attempting to cause, or threatening to cause physical injury to another person.
- Possessing, selling, or otherwise furnishing any firearm, knife, explosive, or other dangerous object, including but not limited to any facsimile firearm, knife, or explosive, unless, in the case of possession of any object of this type, the student has obtained written permission to possess the item from the dean of Student Life and Judicial Affairs.
- Unlawfully possessing, using, selling, offering to sell, or furnishing, or being under the influence of, any controlled substance listed in California Health and Safety Code §§11053 et seq., an alcoholic beverage, or an intoxicant of any kind; 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. While the distribution or sale of alcohol is permitted at events sponsored by the MiraCosta College Foundation, students serving as representatives of the college at such events are prohibited from consuming alcoholic beverages.
- Committing or attempting to commit robbery or extortion.
- Causing or attempting to cause damage to district property or to private property on campus.

F. Stealing or attempting to steal district property or private property on campus, or knowingly receiving stolen district property or private property on campus.

G. Smoking or using any tobacco products at any district site (see Administrative Procedure 3570: Tobacco-Smoke-Vapor-Free Campus).

H. Committing sexual assault or sexual exploitation regardless of the victim's affiliation with the district.

I. Committing sexual harassment as defined by law or by district policies and procedures.

J. Engaging in harassing or discriminatory behavior based on disability, gender, gender identity, gender expression, nationality, race or ethnicity, religion, sexual orientation, or any other status protected by law.

K. Engaging in intimidating conduct or bullying against another student through words or actions, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyberbullying.

L. Behaving in a manner that results in injury or death to a student or to district personnel or which results in cutting, defacing, or other injury to any real or personal property owned by the district or on campus.

M. Disruptive behavior, willful disobedience, habitual profanity or vulgarity, or the open and persistent defiance of the authority of, or persistent abuse of, college personnel.

N. Cheating, plagiarizing, or engaging in other academic dishonesty as defined by Administrative Procedure 5505: Academic Integrity/Academic Dishonesty.

O. Behaving dishonestly, committing forgery, altering or misusing district documents, records, or identification, or knowingly furnishing false information to the district.

P. Entering or using district facilities without authorization.

Q. Engaging in lewd, indecent, or obscene conduct or expression on district-owned or controlled property or at district-sponsored or supervised functions.

R. 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, or the violation of lawful district regulations, or the substantial disruption of the orderly operation of the district.

S. Disrupting of teaching, administration, or other college activities or programs or refusing to obey lawful directions of college personnel.

T. Violating district or California Education Code regulations pertaining to student organizations, distribution of literature, and place and manner of public expression.

U. Illegally obtaining or altering college records, electronic information, or computer applications and committing

any computer-related crimes as defined in California Penal Code §502.

V. 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.

Students who engage in any of the above are subject to the procedures outlined in the student discipline procedures listed below.

Student Discipline Procedures

The purpose of the student discipline procedures is to provide a prompt and equitable means to address violations of the Student Code of Conduct, which guarantees to the student or students involved the due-process rights afforded them by state and federal constitutional protections.

These procedures will be used in a fair and equitable manner and not for purposes of retaliation. They are not intended to substitute for criminal or civil proceedings that may be initiated by other agencies.

These procedures are specifically not intended to infringe in any way on the rights of students to engage in free expression, as protected by the state and federal constitutions and by California Education Code §76120, and will not be used to punish expression that is protected.

The superintendent/president has designated the dean of Student Life and Judicial Affairs as the administrator responsible for student discipline procedures.

Definitions

- ▶ **The college:** the MiraCosta Community College District (commonly referred to as MiraCosta College).
- ▶ **Student:** any person currently enrolled as a student at any site, online, or in any program offered by the district.
- ▶ **Faculty member:** any academic employee of the district in whose class a student subject to discipline 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.
- ▶ **Removal from class:** exclusion of the student by a faculty member for the day of the exclusion and the next class meeting, or if the exclusion is from an online class, for a period of time that equates to two class sessions.
- ▶ **Short-term suspension:** exclusion of the student from the college by the dean of Student Life and Judicial Affairs or designee for good cause for a period of up to 10 consecutive days during which MiraCosta is in session.
- ▶ **Long-term suspension:** exclusion of the student from the college by the dean of Student Life and Judicial Affairs or designee for good cause for a period of 11 days during which MiraCosta College is in session up to one calendar year.
- ▶ **Expulsion:** permanent exclusion of the student from the college by the board of trustees.

- ▶ **Disciplinary probation:** a letter indicating a reason for the action being taken and specifying that any violation of the MiraCosta College Student Code of Conduct may result in suspension from the district.
- ▶ **Written or verbal reprimand:** An admonition to the student to cease and desist from conduct determined to violate the MiraCosta Community College District Student Code of Conduct. A record of the fact that a verbal reprimand has been given may become part of a student's discipline record at the college for a period of up to one year.
- ▶ **Nonstudent removal:** withdrawal of consent by the MiraCosta Community College District Police for any person to remain on campus, in accordance with California Penal Code §626.4, where the police have reasonable cause to believe that such person has willfully disrupted the orderly operation of the district.
- ▶ **Days:** unless stated otherwise, days when the MiraCosta Community College District is open.

Short-term Suspensions

If the dean of Student Life and Judicial Affairs or designee determines that a student is a danger to himself/herself or others, the student may be suspended for a period of 10 days during which MiraCosta College is in session (California Education Code §66017).

- ▶ The student will be notified either in person or in writing by the dean of Student Life and Judicial Affairs or designee of the reason for suspension within 10 days of the event that caused the decision to suspend.
- ▶ The student may request a meeting with the dean of Student Life and Judicial Affairs or designee. The meeting will be held within 10 days of the student request. At the meeting, the student will be presented with the information that caused the decision to suspend and will be given an opportunity to respond to the accusation. If the suspension is lifted or modified as a result of the meeting, the student will be notified in writing by the dean of Student Life and Judicial Affairs or designee. The decision of the dean of Student Life and Judicial Affairs or designee for a suspension up to 10 days is final.

Long-term Suspension

If the dean of Student Life and Judicial Affairs or designee determines that a student disciplinary infraction requires a long-term suspension, the student will be notified in person or in writing within 10 days of the incident that the dean of Student Life and Judicial Affairs intends to impose a long-term suspension that may last from 11 days up to one calendar year.

- ▶ A student facing a long-term suspension has the right to request a formal hearing before a long-term suspension is imposed. The request must be submitted in writing to the dean of Student Life and Judicial Affairs or designee within 10 days of receipt of notice of intent to impose a long-term suspension. The hearing will take place within 10 days of the student request.
- ▶ The hearing to appeal a long-term suspension will be conducted by an academic administrator who is not involved with the incident that caused the decision to suspend. The student may bring an advocate to the hearing. If the advocate is an attorney, the dean of Student Life and Judicial Affairs must be notified at least five days

in advance of the formal hearing so that college legal representation may also be present. The dean of Student Life and Judicial Affairs or designee will present the case for suspension and the student will be provided an opportunity to respond and provide evidence in support of the appeal. If attorneys are present, they may provide advice to the people they represent, but they are not part of the formal hearing and will not participate unless invited to do so by the academic administrator in charge of the hearing.

- ▶ Formal rules of process, procedure, and/or technical rules of evidence, such as are applied in criminal or civil court, are not used in hearings. Relevant evidence, including hearsay, is admissible if it is the type of evidence that reasonable members of the college community would rely upon in the conduct of their affairs. The academic administrator conducting the hearing shall have the discretion to determine admissibility of evidence.
- ▶ The academic administrator in charge of the hearing makes a decision based on a preponderance of the evidence, which is whether it is more likely than not that the accused student violated the MiraCosta Community College District Student Code of Conduct.
- ▶ The hearing will be audio-recorded.
- ▶ The academic administrator will notify the student within five days of the formal hearing whether or not the suspension will be upheld.
- ▶ If the suspension is upheld, the student may make a final appeal in writing to the college superintendent/president who will respond in writing within five days.

The decision of the college superintendent/president is final.

Expulsion

If the dean of Student Life and Judicial Affairs or designee determines that a student violation of the MiraCosta Community College District Student Code of Conduct is so egregious that it warrants expulsion from MiraCosta College, the student will be notified in writing of the intention to expel within 10 days of the college administration being made aware of the incident. While an expulsion decision is pending, the student will be suspended from the college.

- ▶ If the student wishes to appeal the decision of the dean of Student Life and Judicial Affairs or designee to recommend to the board of trustees expulsion, the student must request a formal hearing in writing to the dean of Student Life and Judicial Affairs within 10 days of receipt of the notice of intent to expel.
- ▶ The hearing for an appeal of an expulsion decision will be held within 15 days of receipt of the student request for a hearing. The hearing will be conducted by an academic administrator who is not involved with the incident that caused the decision to expel. The student may bring an advocate to the hearing. If the advocate is an attorney, the dean of Student Life and Judicial Affairs must be notified at least five days in advance of the formal hearing so that college legal representation may also be present. The dean of Student Life and Judicial Affairs or designee will present the case for expulsion, and the student will be provided an opportunity to respond and provide evidence in support of the appeal. If attorneys are present, they may provide

advice to the people they represent, but they are not part of the formal hearing and will not participate unless invited to do so by the academic administrator in charge of the hearing.

- ▶ Formal rules of process, procedure, and/or technical rules of evidence, such as are applied in criminal or civil court, are not used in hearings. Relevant evidence, including hearsay, is admissible if it is the type of evidence that reasonable members of the college community would rely upon in the conduct of their affairs. The academic administrator conducting the hearing shall have the discretion to determine admissibility of evidence.
 - ▶ The academic administrator in charge of the hearing makes a decision based on a preponderance of the evidence, which is whether it is more likely than not that the accused student violated the Student Code of Conduct.
- ▶ The hearing will be audio-recorded.
 - ▶ The academic administrator will notify the student in writing within five days of the formal hearing whether or not a recommendation for expulsion will be forwarded to the college superintendent/president. The college superintendent/president may support, modify, or reject the recommendation for expulsion. If the superintendent/president supports the recommendation for expulsion, the recommendation will be forwarded to the board of trustees for action within 30 days of the superintendent/president's decision.
 - ▶ The board of trustees will consider a recommendation for expulsion at the next regularly scheduled meeting after receipt of the recommendation from the college superintendent/president. The board will consider an expulsion recommendation in closed session unless the student has requested the matter be considered in a public meeting (California Education Code §72122). The student will be notified in writing by certified mail at least three days prior to the board meeting at which the expulsion recommendation will be considered. The notification will include the date, time, and place of the board meeting. The student may request the hearing be held as a public meeting. The request must be in writing to the college superintendent/president and must be made at least 48 hours prior to the meeting. If, despite the request for a public hearing, a right to privacy conflict occurs, the board may conduct the expulsion hearing in closed session. The board may accept, modify, or reject the recommendation for expulsion, and the decision of the board is final. The board decision shall be announced at a public meeting.
 - ▶ If expelled by the board of trustees, the student will be permanently excluded from enrolling at MiraCosta College.

Suspension from a Class or College Office by a Faculty Member or Staff Member (California Education Code §76032)

A faculty or staff member may remove a student from a class or from an office for the day of the removal and one additional day of class or of office privileges. The removal of the student must be reported to the dean of Student Life and Judicial Affairs or designee immediately. The dean of Student Life and Judicial Affairs or designee will meet with the student to determine whether or not the student will be returned to the class or regain

office privileges and under what circumstances reinstatement will be possible. If the behavior that caused the removal is egregious, the dean of Student Life and Judicial Affairs or designee may determine that the student should be suspended from the class, office, or the district.

Nonstudent Removal

The MiraCosta College Police may notify any person who is willfully disrupting the orderly operation of college classes or activities that permission to remain on campus has been withdrawn. The person may be issued an order to stay away from all district sites for up to seven calendar days from the date on which permission to remain on campus was withdrawn. Any person violating a stay-away order will be subject to arrest (California Penal Code §626.6).

Exception to Due Process: Athletic Rules Violations

Athletes who violate rules of the Pacific Coast Athletic Conference, the California Community College Athletic Association, or the MiraCosta College Athletic Department may be suspended immediately from intercollegiate competition.

- ▶ A student athlete may appeal the suspension in writing to the director of Athletics within 10 days of the suspension. The director of Athletics will uphold, modify, or rescind the suspension within 10 days of receiving the appeal.
- ▶ If the director of Athletics upholds the suspension, the student athlete may make a final appeal in writing to the dean of Student Life and Judicial Affairs, whose written response to the student athlete will be final.

(Sources: MCCC Board Policy/Administrative Procedure 5500 and MCCC Administrative Procedure 5520. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.)

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 enrolled 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:

- ▶ 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, athletic awards, and 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. Nonroutine 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 enroll or is directed to enroll. 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, enrollment 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 or Verifications of Student Records

A student/former student shall be entitled to two free copies of the transcript record. Additional copies shall be made available to the student or to an addressee designated by him/her 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.

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 his or her social security number over the Internet using a connection that is not secured or encrypted.
- ▶ Require an individual to use his/her social security number to access an Internet Web site 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 enrollment 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 he/she has the right to stop the use of his/her 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 his/her 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, he/she 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

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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.

Grievances related to course grades are addressed in MCCC Board Policy 4231, Grade Changes, and Administrative Procedure 4231.*

For grievances related to sexual harassment, sexual assault, or illegal discrimination (i.e., age, ancestry, citizenship status, color, disability, ethnic group identification, gender, marital status, medical condition, national origin, parental status, race, religion, sexual orientation, or veteran status), students should contact the Title IX coordinator and/or the MiraCosta College Police Department. Staff members in those areas will assist students with the correct processes for resolution. Complaint and investigation procedures related to harassment and discrimination (including sexual assault, sexual violence, dating violence, stalking and domestic violence) can be found in Administrative Procedure 3435.

In addition to MiraCosta Community College District procedures, a student may address a grievance directly to the California Community Colleges

Chancellor's Office by accessing the following website: californiacommunitycolleges.cccco.edu/ComplaintsForm.aspx.

This procedure does not apply to the following:

- ▶ Student discipline, which is covered under MCCC Board Policy 5500 and Administrative Procedure 5520.
- ▶ Police traffic tickets. Those complaints must be made to the local courts.
- ▶ Parking tickets. Those complaints must be made at the College Police Office.

Definitions

Day during which MiraCosta College is in session: this means a day when MiraCosta College classes are being held. This excludes winter break, spring break, and holidays. When Saturday classes are included in the college schedule, those Saturdays are considered to be days during which MiraCosta College is in session.

Calendar day: this means any day of the year.

The college: this means MiraCosta Community College District.

A student who has a concern or complaint must first follow the informal conflict resolution process, which is described below. Any academic administrator can assist a student with this process.

At any point in the informal conflict resolution process, mediation is an option and may be requested by a student or suggested by a faculty member, staff member, or administrator as a means of resolving a disagreement. The college maintains a list of trained mediators, and any academic administrator can assist in arranging mediation.

If informal conflict resolution does not resolve the issue, the student may request formal conflict resolution. To file a formal grievance, the student must do so in writing, explaining the details of the complaint, at the office of the dean, Student Life and Judicial Affairs, at the Oceanside Campus, the office of the associate dean, Student Services, at the San Elijo Campus, or the office of the dean, Community Education, at the Community Learning Center. Once the complaint is received, the appropriate official will meet with the student to provide information on the formal grievance process, which is described below.

Informal Conflict Resolution

To informally resolve any issues with a faculty member, the student must 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 appropriate department chair in person, by email, or by telephone.
- ▶ If the concern or complaint is still not resolved, contact the appropriate dean in person, by email, or by telephone.

- ▶ If the concern or complaint is still not resolved, contact the dean of Student Life and Judicial Affairs for assistance with the formal conflict resolution process.

To informally resolve any issue with a staff member or administrator, the student must 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 Life and Judicial Affairs for assistance with the formal conflict resolution process.

To informally resolve a conflict with another student, the student must make a reasonable effort to follow the steps listed below:

- ▶ If appropriate, discuss the issue with the student with whom the student has the grievance in person, by email, or by telephone unless there is a valid reason (student feels intimidated, student unavailable after several attempts, etc.) to omit this step.
- ▶ Meet with the dean of Student Life and Judicial Affairs or designee in person to request assistance in resolving the conflict.

Formal Conflict Resolution

If informal resolution through discussion or mediation does not resolve the conflict, a formal mediation will take place. A list of trained mediators will be provided to the parties involved in the conflict and they will participate in selecting two mediators. If the mediators are unable to help the student and the staff or faculty member resolve the conflict, and the mediators agree that the issue warrants a formal grievance, the student shall have the right to request a grievance hearing, in writing, to the dean of Student Life and Judicial Affairs, at the Oceanside Campus, the associate dean of Student Services at the San Elijo Campus, or the dean of Community Education at the Community Learning Center. The request for a hearing must be made within 10 days (during which MiraCosta College is in session) of the formal mediation meeting. The formal grievance hearing will be scheduled within 10 days (during which MiraCosta College is in session) of receipt of the request.

The grievance hearing committee will be composed of the following:

- ▶ One student appointed by the Student Senate president.
- ▶ One faculty member appointed by the Academic Senate president if the grievance is against a faculty member.
- ▶ One staff member appointed by the Classified Senate president if the grievance is against a staff member.

- ▶ Dean of Student Life and Judicial Affairs, who will chair the committee if the grievance is non-academic, or the Academic Senate president if the grievance is academic.

The chair will conduct the hearing. Possible protective measures that may be utilized include, but are not limited to, no-contact orders, remote participation during the hearing (telephone, videoconferencing, use of a privacy screen, etc.), separate waiting areas during hearing, safety escorts, and prohibitions against retaliation.

The members of the grievance hearing committee will be provided a copy of the grievance and any written response to the grievance.

Each party to the grievance may call witnesses and introduce oral and written testimony. Witnesses unable to be present may submit written statements.

Although the hearing is formal, rules of evidence do not apply as they would in a court of law.

Each party to the grievance will be permitted to make an opening statement; thereafter, the grievant will present evidence followed by the respondent.

The student may bring an advocate or attorney to the hearing provided the dean of Student Life and Judicial Affairs is notified at least five calendar days in advance of the hearing. In the event the student notifies the dean of Student Life and Judicial Affairs that the student will have representation, the faculty member has the right to legal counsel and a right to receive notification that the student will have counsel present. The hearing will be recorded, and the recording shall remain in the custody of the dean of Student Life and Judicial Affairs. Any party to the grievance may request a copy of the recording.

Hearings shall be closed and confidential unless all parties request that they be open to the public. Any such request must be made no less than three calendar days prior to the date of the hearing. In a closed hearing, witnesses will testify and be excused.

The grievance hearing committee will recommend a resolution of the grievance after listening to all of the participants. The committee will inform the student and the respondent in writing about its recommendation within 10 days (during which MiraCosta College is in session) of the hearing. The recommendation shall include specific factual findings regarding the grievance. The recommendation shall also include relief to be afforded to the student, if any.

The student may appeal the recommendation of the grievance hearing committee by writing to the superintendent/president within 10 calendar days of being notified of the grievance hearing committee's recommendation. The superintendent/president will send the student a final decision in writing within 10 calendar days of receiving the appeal.

** All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage.*

Additional Information

Full-Time Faculty & Administrators

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

Alvarez Francisco (1997) Spanish

B.S., M.A., San Diego State University; C.Phil., University of California, Irvine

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

Askerneese Adrean (2009) Counselor

B.A., Point Loma Nazarene University; M.S., San Diego State University; M.M.F.T., University of Southern California

Avery Peter (1992) Mathematics

B.S., University of Exeter, England; M.S., University of California, Santa Barbara; Ph.D., University of Keele, England

Bailey Suzie (2009) Biological Sciences

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

Batista-Edwards Lillian (2005) Surgical Technology

B.A., California State University, Los Angeles; M.Ed., University of Phoenix

Baughman Gail (1996) Biology, Biotechnology

B.A., Cornell University; M.S., Pennsylvania State University; Ph.D., University of Wisconsin, Madison

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

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

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

Carstensen Eric (2009) Accounting

B.A., University of California, San Diego; M.B.A., National University

Cassoni Rick (2015) Computer Studies & Info Tech

B.S., University of Utah; M.S., San Diego State University

Chapeton-Lamas Nery (2014) Computer Science

B.S., University of California, Irvine; M.S., University of Iowa

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

Cole Jonathan (1984) Physics

B.A., University of Colorado; M.S., University of California, San Diego

Comstock Sandy (2007) Associate Dean, Nursing and Health

B.S., Chapman College; M.P.A., Golden Gate University; M.S.N., University of San Diego; Certified Nurse Midwife/OBGYN Nurse Practitioner, University of California, San Diego

Connolly Patrick (2003) Administration of Justice
B.S., American University; J.D., University of Maryland School of Law

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 Technologies
B.A., Louisiana State University; M.F.A., 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 Niall (2009) Surgical Technology
Certified Surgical Technologist

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 Nancy Steffens (1998) EOPS Counselor
B.B.A., National University; M.S., San Diego State University

Diaz Zulema (2016) English, Literature
B.A., M.S., University of California, San Diego

Dieckmeyer Diane (2017) Vice President, Instructional Services
B.A., M.A., University of California, Riverside; Ed.D., University of Southern California

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-Braunstein 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

Ehrlinger Claire (2004) Horticulture
B.S., Michigan State University; M.Ed., Xavier University

Eso Steve (2004) Psychology
B.A., California State Polytechnic University, Pomona; M.A., University of Victoria

Essman Margaret (1994) Nursing
B.S.N., University of San Diego; M.S.N., California State University, Dominguez Hills

Estrella Roland (2008) Nursing
B.A., San Diego State University; M.S., University of Phoenix

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

Farnam Michelle (2006) DSPS Counselor
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-Chacon 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

Firouzian Shawn (2017) Mathematics
B.A., B.S., University of Missouri, St. Louis; M.A., M.S., University of Maine

Flocken Lise (2002) Director, Transfer Center
B.A., University of California, San Diego; M.S., Ed.D., United States International University

Flores Claudia (2015) Child Development
B.S., San Diego State University; M.A., National University

Fohrman Jonathan (2013) Dean, Arts and International Languages
B.A., University of Washington; M.A., University of Washington

Fossum Nolan (2015) Mathematics
B.S., University of California, Irvine; M.A., California State University, Fullerton

French Rica Sirbaugh (2004) Astronomy
B.S., Middle Tennessee State University; M.A., University of Texas, Austin

Additional Information

- Fulbright Robert (2006) Health, Kinesiology
B.S., M.S., California State University, Northridge; Ph.D.,
Northcentral University
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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-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
- Gross Mary (2005) English as a Second Language
B.A., California State Polytechnic University, Pomona; M.S.,
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- 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;
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- Ha Thao (2007) Sociology
B.S., University of Houston, University Park; M.A., University of
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- Haar Linda (2015) Child Development Center Director/Instructor
B.S., San Diego State University; M.Ed., National University
- 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
- Harland Julie (1987) Mathematics
B.A., University of California, Santa Barbara; M.A., University of
California, San Diego
- Haugsness-White Julie (2007) Biology
B.A., Gustavus Adolphus College; M.S., Scripps Institution of
Oceanography-University of California, San Diego
- 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
- Herrmann Susan (1988) English, Literature
B.A., California State University, Fullerton; M.A., California State
University, San Bernardino
- Hidle Jade (2015) English - Transfer
B.A., M.F.A., California State University, Long Beach; Ph.D.,
University of California, San Diego
- Hill Chris (2016) Dean of Research, Planning, and Institutional
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B.S., M.S., San Diego State University; M.Ed., Azusa Pacific; Ph.D.
University of Southern California
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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
- Hoste Tricia (2017) Noncredit ESL
B.A., Biola University; M.A., Fuller Theological Seminary
- Hughes Melissa (2013) Counseling
B.A., Azusa Pacific University; M.S., California State University,
Long Beach
- Hull Stacey (2013) Biological Sciences
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
- Isachsen Steve (2001) Computer Information Science
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
- Jones Peggy (1998) Art
B.A., M.F.A., University of California, Irvine
- 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
- Keehn Jeff (2001) English
B.A., M.A., California State University, San Marcos
- 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

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 (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., San Diego State University

Laurel Mark (2005) Mathematics
B.A., California State University, Sacramento; M.A., University of California, Berkeley

Layton Andrew (2011) Dramatic Arts
B.F.A., University of North Carolina School of the Arts; M.F.A., University of Washington

Lee Nancy (1991) Chemistry
B.A., University of California, San Diego; M.A., San Diego State University

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B.S., M.S., Vladivostok State University

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B.A., University of Redlands; M.A., University of California, Los Angeles

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

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

Malone Jill (1992) Digital Imaging, Graphics
B.A., Rutgers University; M.A., West Coast University, San Diego

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

McClure Leola (2009) Communication
B.A., M.A., Middle Tennessee State University; Ph.D., Ohio State University

McCorkle Kent (2014) Chemistry
B.S., Rose-Hulman Institute of Technology; Ph.D., Auburn University

McDonald Linda (2017) Nursing
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McFarland Casey (2015) Kinesiology, Health Education
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

Meldahl Keith (1997) Geology, Oceanography
B.A., University of Chicago; M.S., Ph.D., University of Arizona

Metzler Chris (1988) Earth, Geology, Oceanography
B.S., University of California, Santa Cruz; M.S., Ph.D., Scripps Institute of Oceanography-University of California, San Diego

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

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B.A., California State University, Long Beach; M.A., Ph.D., University of California, Irvine

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B.A., M.F.A., University of California, San Diego

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B.S., San Diego State University; M.S., Claremont Graduate University; M.B.A., University of Redlands

Ngo Annie (2017) Business
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Nguyen Thong (2016) Chemistry
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Noddings Victoria (1999) Mathematics
B.A., A.M. Stanford University; M.A., San Diego State University

O'Cain Anna (2002) Art
B.F.A., School of the Art Institute of Chicago; M.F.A., University of California, San Diego

Ongyod Anthony (2009) Communication
B.A., San Diego State University; M.A., University of Hawaii at Manoa

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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

Perales Dara (2006) English
B.A., M.A., California State University, San Marcos

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B.A., California State University, San Marcos; M.S., Central Michigan University; Ed.D., San Diego State University

Perovic Zikica (2005) Mathematics
B.S., M.S., University of Belgrade, Serbia; Ph.D., University of Minnesota

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B.A., Clark University; M.L.I.S., University of Texas, Austin

Peters Erika (2008) Physics
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Petri Andrea (2008) Italian, Spanish
B.A., University of Trieste, Italy; M.A., University Granada, Spain

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B.A., California State University, Long Beach; M.A., M.Phil., Ph.D., Yale University

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B.A., M.A., University of California, San Diego

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B.A., California State University, Los Angeles; M.S., San Diego State University; Psy.D., Alliant International University

Porto June (1999) Computer Science
B.S., M.B.A., California State University, Long Beach

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Robertson Eric (2010) Communication
B.A., California Polytechnic University, San Luis Obispo; M.A., San Diego State University

Rosen Robbi (2004) Career Counseling
B.S., M.S., University of Wisconsin, Madison

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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., University of California, San Diego

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Schaefer Nancy Klump (1988) Learning Disabilities Specialist
B.S., Indiana University, Bloomington; M.A., Michigan State University, Lansing

Schaper Nikki (2009) Dean, Behavioral Science, History, and Community Education
B.A., University of California, San Diego; M.A., Ed.D., Pepperdine University

Schlueter Jed (2010) Transfer Counselor
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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

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

Skemp Penny (1998) Child Development
B.S., University of Wisconsin, Madison; M.A., University of Washington, Seattle

Sleeper Christopher (2008) History
B.A., University of California, Santa Barbara; M.A., University of California, Riverside

Smith Dana (2000) Dean, Letters, Letters and Communication
B.A., University of California, Santa Barbara; M.A., University of California, Davis

Smith Karen (2004) Hospitality
B.S., University of LaVerne; M.B.A., Pepperdine University; MPhil, Ph.D., The City University of New York Graduate School

Soza Rita (2006) Business
B.A., University of Phoenix; M.B.A., University of California, Irvine

Stephenson Denise (2004) Writing Center Faculty Director
A.A., Iowa Central Community College; B.A., University of Northern Iowa; Ph.D., University of New Mexico, Albuquerque

Stern Herschel (1989) Geography
B.A., Queens College, Flushing, New York; M.A., Ph.D., University of Oregon, Eugene

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 Jake (2015) English
B.A., M.A., California State University, San Marcos

Sullivan Jim (2004) English
B.A., Georgetown University; M.A., Claremont Graduate University

Taccone Al (2007) Dean, Career & Technical Education
B.S., Bryant College, Rhode Island; M.B.A., Anna Maria College, Massachusetts; Ph.D., Walden University, Minnesota

Tam Vicky (2015) Nursing
B.S., University of Dubuque; M.S., University of Phoenix

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

Tsuyuki Chad (2010) English, Literature
B.A., M.F.A., California State University, Long Beach

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M.S., Sofia University; Ph.D., State University of New York

Tucker Sade Alexis (2016) Anthropology
B.A., University of Hawaii, Manoa; M.A., University of California, San Diego

Turbeville John (2006) Geology, Oceanography
B.S., San Diego State University; M.S., University of New Orleans

Uhlik Jeff (1998) Multimedia Technology
B.F.A., Kent State University; M.A., San Diego State University

Vail Steve (2005) Automotive Technology
A.A., Santa Monica College; B.A., California State University, San Marcos

Valente Mario (2009) Dean, Academic Information Services
B.A., University of California, Los Angeles; M.S., California State University, Fullerton; Ed.D., University of California, Irvine

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

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Wezniak Steve (2002) Noncredit Mathematics

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Whitney Mark (1999) Child Development

B.S., San Diego State University; M.S., University of California,
Davis; Ph.D., Claremont Graduate University

Wilbur Constance (2005) DSPS Director

B.A., San Diego State University

Williams Arnaldo (2005) Automotive Technology

A.A., Palomar College; Automotive Service Excellence | ASE |
Master Technician Certification; CA Vocational Education
Credentials; Certificate on Tune-Up and Engine Analysis,
Palomar College

Williams Tracy (2005) Dramatic Arts

B.F.A., Utah State University; M.F.A., University of Missouri, Kansas
City

Wish Kristi (2014) Transfer Counselor

B.A., University of California, Riverside; M.A., Chapman University

Wojcik Alketa (2005) Vice President, Student Services

B.S., California State University, San Marcos; M.A., San Diego
State University; Ed.D., University of California, San Diego

Woods Linda (2015) Chemistry

B.A., B.S., University of California, Berkeley; M.S., Ph.D., University
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Yeager Mark (1992) Chemistry, Physical Science

B.S., Principia College; A.M., Washington University

Zaman Afifa (2016) SSSP Counselor

B.A., M.A., San Diego State University

Zepeda Magdalena (2017) Counselor

B.A., University of California, Los Angeles; M.S., University of
Phoenix; M.S., National University

Glossary

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 15 units may be excluded. Petition forms are available at the Admissions and Records Office. (See Academic Renewal (p. 356) in 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 enroll in 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.

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 Internet site that contains all articulation agreements between California community colleges and University of California and California State University campuses. (See www.assist.org.)

A.A., A.S., A.A.-T, A.S.-T—Associate in Arts, Associate in Science, Associate in Arts for Transfer, Associate in Science for Transfer Degree

Associate degrees received upon completion of lower-division course work totaling not fewer than 60 semester units in the major, general education, and electives. (See Associate Degrees (p. 58).)

B.A., B.S.—Bachelor of Arts, Bachelor of Science Degree

Bachelor's degrees received upon completion of course work totaling a minimum of 120 semester units. These units include lower- and upper-division major and general education courses as well as electives.

Board of Governors Waiver (BOGW)

A program by which enrollment fees are waived for eligible students. The BOGW application form is available from the Financial Aid Office and website. It must be submitted to the Financial Aid Office prior to enrollment to waive fees or before

the last day to drop classes to obtain a refund of enrollment fees paid. A new application is required each academic year.

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 continual enrollment at the college.

Certificate

Awarded upon completion of course work leading to proficiency or achievement, usually in a vocation or occupation.

Class Schedule

A booklet listing classes to be offered during a specific semester (fall, spring, summer). The schedule also contains an online enrollment 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 Services & Business Development (p. 351).)

Concurrent Enrollment Permit

A high school student must obtain signatures from his or her high school counselor, principal, and a parent on a Concurrent Enrollment Permit form in order to attend MiraCosta College. Students must be enrolled as a sophomore, junior, or senior at their high school. The form is available from the Admissions & Records Office and website.

Continual Enrollment

To be considered continually enrolled, a student must receive 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.

Continuing Education (Tuition-Free Noncredit)

Tuition-free courses offered as part of the Adult High School (p. 338) and other authorized categories of noncredit instruction. (See Noncredit Courses (p. 343).)

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.

CTE Transitions

A program in which high school students can earn college credit for certain vocational courses taken at their respective high schools. (See Alternative Sources of Credit (p. 26).)

Directed Study

A transfer course available to students who petition an instructor for class material unavailable at MiraCosta. Students may apply a maximum of three units of Directed Study credit toward a degree. (See Directed Study (p. 50).)

Educational Plan

A document generated by a student and a MiraCosta counselor that identifies the student's educational objectives and a method for reaching them.

Enrollment

Signing up for specific classes and paying fees.

EOPS—Extended Opportunity Programs and Services

Provides outreach and special assistance to students from culturally, educationally, or financially disadvantaged backgrounds. (See EOPS (p. 40).)

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. 41).)

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 www.fafsa.ed.gov. The FAFSA can be used at community colleges and four-year institutions. A new application is required each academic year.

Freshman

One who has completed fewer than 30 degree-applicable units of college credit.

Full-Time Student

One who takes classes equaling 12 or more units per semester.

G.E.

General education, also known as breadth or core requirements. (See the A-Z Directory for information about specific 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 Scholar 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 Scholar Program (p. 51).)

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. 85).)

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 determines how a student will spend the majority of his or her academic time and energy.

Matriculation

An application, assessment, orientation, and advisement process for new students. (See Matriculation (p. 18).)

Medal of Honor

The college's highest academic honor awarded annually to recognize selected students' academic achievements. Faculty members nominate the recipients. (See Academic Awards (p. 50).)

Minor's Petition

A home-schooled student or a minor who is not currently attending high school must obtain signatures from his or her parent and a MiraCosta College counselor on a Minor's Petition form in order to attend MiraCosta. In addition, students must provide documentation from their previous high school or, for home-schooled students, from the San Diego County Department of Education or sponsoring agency that verifies they have completed the equivalent of their freshman year of high school education.

Non-Degree Applicable Courses

Includes college-preparatory courses in basic skills and counseling (numbered in the 800s) 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. 50).)

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. 50).)

Probation

A warning status that scholastic standards are not being met. (See Academic Progress, Probation & Probation Appeal Process (p. 354) in Academic Standards & Policies.)

Self-Paced

A class in which the student works (usually on a computer) at his/her own pace. The class must be completed either before the end of the semester or over two semesters.

Semester

A 16-week period of course work offered fall and spring.

Sophomore

One 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

Online service available to students for the purpose of enrolling in classes, paying fees, verifying student schedules and grades, and obtaining unofficial transcripts.

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. 76).)

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. 36) to work with an enrolled student in need of help with course work.

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 1 to 3 hours per week of lecture, activity, or laboratory with a credentialed instructor for a semester. Students are expected to spend 2 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 3 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 enroll in a closed class.

Work Experience

A program that combines classroom studies with on-the-job experience. (See Cooperative Work Experience (p. 50).)

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