CATALOG
2026 • 2027

MiraCosta College

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



MIRACOSTA COLLEGE 2026–2027 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 2026 through summer 2027.

CATALOG RIGHTS

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

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

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

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

STATEMENT OF ASSURANCE

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

MiraCosta College
2026-2027 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), 428 J Street, Suite 400, Sacramento, CA 95814, 415.506.0234, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U. S. Department of Education. Additional information about accreditation, including the filing of complaints against member institutions, can be found on the ACCJC website (https://accjc.org/). The college is also approved by the California Department of Education for the training of veterans under the provisions of the GI Bill® of Regulations. "GI Bill®" is a registered trademark of the U.S. Department of Veterans Affairs (VA).

Specialized Program Accreditation

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

Registered Nursing (ADN) Program

Approved by the California Board of Registered Nursing, P. O. Box 944210, Sacramento, CA 94244-2100. Complaints may be submitted online through DCA BreEZe Online Services (https://www.breeze.ca.gov/datamart/mainMenu.do) or a Complaint (https://www.rn.ca.gov/pdfs/enforcement/cpltfrm.pdf) form can be mailed to the California Board of Registered Nursing at the following address: Board of Registered Nursing, Attn: Complaint Intake, P. O. Box 944210, Sacramento, CA 94244-2100.

Licensed Vocational Nursing Program

Approved by the Board of Vocational Nursing and Psychiatric Technicians, 2535 Capitol Oaks Drive, Suite 205, Sacramento, CA 95833. Phone: 916.263.7800. Email: bvnpt@dca.ca.gov. File a complaint by contacting the Education Division at 916.263.7827.

Certified Nursing Assistant Program

Approved by the California Department of Public Health (CDPH), Licensing and Certification Program (L&C), Aide and Technician Certification Section (ATCS), Training Program Review Unit (TPRU). Mailing address: MS 3301, P. O. Box 997416, Sacramento, CA 95899-7416. For complaints, contact CDPH by phone at 800.236.9747 (toll-free) or by email at complaints@cdph.ca.gov.

Home Health Aide Program

Approved by the California Department of Public Health (CDPH), Licensing and Certification Program (L&C), Aide and Technician Certification Section (ATCS), Training Program Review Unit (TPRU). Mailing address: MS 3301, P. O. Box 997416, Sacramento, CA 95899-7416. For complaints, contact CDPH by phone at 800.236.9747 (toll-free) or by email at complaints@cdph.ca.gov.

Automotive Technology Program

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

Adult High School

Accredited by the Accrediting Commission for Schools, Western Association of Schools and Colleges (http://www.acswasc.org/), 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: mailsocal@acswasc.org. Information about how to file a complaint is available on the ACCJC website (https://accjc.org/complaint-process/).

Please visit the MiraCosta College Accreditation webpage (https://www.miracosta.edu/office-of-the-president/accreditation/) for more information.

Academic Calendar 2026-2027

Fall Semester 2026

August 17	First day of fall semester classes
September 7	Labor Day (college closed)
November 11	Veterans Day (college closed)
November 23-28	Fall Break
November 26-27	Thanksgiving (college closed)
December 12	End of fall semester
December 24-January 1	College closed

Note: You are encouraged to check your course syllabus for dates and deadlines specific to your course.

Spring Semester 2027

February 1	First day of spring semester classes
February 12-15	Lincoln's & Washington's Day observed (college closed)
March 29-April 3	Spring break
April 2	College closed
May 28	End of spring semester
May 28	Commencement
May 31	Memorial Day (college closed)

Note: You are encouraged to check your course syllabus for dates and deadlines specific to your course.

President's Welcome

Welcome MiraCosta College Students

Welcome to a new academic year at MiraCosta College! By choosing MiraCosta, you're taking the invaluable step of investing in your future. We stand ready to encourage and support your growth, education, and success.

Since our humble beginning in 1934, when we served about 127 students, we now provide a variety of higher education options to nearly 30,000 learners each year. Our vision to transform lives and communities through learning remains as strong as ever as we seek to empower each student with the knowledge, skills, and insight needed to thrive. Our commitment to excellence in education is unwavering, with a dedicated team of faculty, staff, and administrators who are passionate about student success. At MiraCosta, YOU are our priority! Our comprehensive support services and dynamic campus life are designed to support your academic journey and equip you with lifelong skills and connections.

Our vibrant and diverse campus life, including an array of student clubs and leadership programs, is designed to complement your academic journey, fostering creativity, broadening perspectives, and facilitating meaningful connections.

As we start a new academic year, we reaffirm our dedication to you and the broader community we serve. You will be able to see and feel our commitment to continuous innovation through unique academic programs, partnerships with industry and higher education, new buildings, and improved campus facilities.

I look forward to meeting you, hearing your stories, and seeing the impact you will make both at MiraCosta and beyond.

Your journey at MiraCosta is more than an education—it's a pathway to becoming leaders, entrepreneurs, public servants, and innovators who will shape the future of our world.

Best Wishes,

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

About MiraCosta College

Mission, Vision, Commitment, Institutional Values & Institutional Goals

Mission

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

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

Vision

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

Commitment

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

Institutional Values

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

Institutional Goals

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

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

Goal III. MiraCosta College will foster academic excellence by strategically developing a culturally competent, adaptive, innovative, and relevant teaching and learning environment; co-curricular activities that bridge classroom learning and real world experience; and intentional professional development for the college community that is responsive to a changing world.

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

Student Learning Outcomes & Core Competencies

Student Learning Outcomes

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

MiraCosta College Core Competencies*

The MiraCosta College Core Competencies describe the broad learning outcomes students should have gained while preparing to transfer (with 60 units that include the Cal-GETC 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
  - 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 (https://www.aacu.org/).

District & Campus Information

District Information

The MiraCosta Community College District (MiraCosta) is a public two-year college district within the California Community Colleges system. Located in coastal North San Diego County, the district serves a vibrant mix of communities, including Oceanside, Carlsbad, Leucadia, Encinitas, Olivenhain, Rancho Santa Fe, Cardiff, Solana Beach, Del Mar, Carmel Valley, and portions of Camp Pendleton. With its picturesque coastal setting and strong academic programs, MiraCosta College attracts students from across San Diego County, throughout California, the nation, and internationally.

MiraCosta annually serves more than 30,000 students through credit, noncredit, and workforce training programs. Approximately 19,000 students enroll in credit courses offered at the Oceanside Campus, the San Elijo Campus in Cardiff, and through online and off-campus locations. Noncredit programs serve about 4,000 students through the Community Learning Center and community sites throughout the district. An additional 7,500 students participate in fee-based workforce training programs through the District's Technology Career Institute in Carlsbad.

The college provides transfer preparation to the University of California and California State University systems, career education programs aligned with regional workforce needs, and innovative offerings, including California's first community college Bachelor of Science degree in Biomanufacturing.

MiraCosta College is committed to creating a nurturing environment for all students, underscored by our extensive Student Services program. These services are designed to support every student's academic and personal growth, whether full-time or part-time. Primarily located at the Oceanside Campus, services are also accessible at the San Elijo Campus and the Community Learning Center. Students are encouraged to use these resources to enhance their experience and success at MiraCosta College.

For more in-depth information regarding our college's diverse program offerings and classes, please contact the Public Information Office at 760.795.6613. Class schedules and course details can be accessed on our Class Schedules and Catalog webpage (https://www.miracosta.edu/academics/class-schedules-catalog/) or via SURF (http://surf.miracosta.edu).

MiraCosta College Campuses

Oceanside Campus

- **Address:** 1 Barnard Drive, Oceanside, CA 92056-3820
- **Phone:** 760.757.2121

The Oceanside Campus has experienced significant growth and development, with ongoing plans for continued enhancement. The campus offers a wide range of facilities designed to support both academic and extracurricular pursuits. The facilities reflect the campus's commitment to providing a supportive, engaging, and enriching educational environment.

You can take a virtual tour of the Oceanside Campus (https://miracosta.edu/virtualtour) or request an in-person tour from the Schedule a Campus Tour webpage (https://www.miracosta.edu/student-services/outreach-and-recruitment/campus-tour.html).

Special Facilities at the Oceanside Campus

The Creative Arts Complex is a cornerstone of the campus, featuring the Theatre and Dance Building with 6,700 square feet of studio space that promotes collaboration between the theatre and dance programs. The complex includes a 430-seat concert hall, a classroom building dedicated to art/music history and new genre arts, and a 240-seat theatre. This is complemented by a three-level building that houses studios, classrooms, and rehearsal spaces for art and music, an art building equipped with ceramics and sculpture studios, and a photography lab.

The Media Arts Complex is designed to enhance certificate and degree programs in the arts and media arts technologies. This includes art history, digital photography, museum studies, studio arts, graphic design, and digital media. The complex features a range of facilities, including a spacious, museum-quality art gallery and a media arts lab. It will also offer extensive indoor and outdoor spaces for showcasing student

artwork, as well as dedicated areas for student study and collaboration.

Since 2017, MiraCosta College has been at the forefront of biomanufacturing education, offering a dedicated bachelor's degree. This program is bolstered by the latest enhancements in our campus facilities, including the introduction of a new, environmentally sustainable science building. The Chemistry and Biotechnology building is a testament to modern technology and houses two advanced biology laboratories. The forthcoming addition of this building is set to further elevate our educational offerings with state-of-the-art chemistry and biochemistry laboratories and classrooms.

The new Student Services Building is a welcoming entry point to the campus, simplifying navigation for new and prospective students. This modern 39,040-square-foot facility centralizes essential student services—such as Admissions & Records, Financial Aid, and Counseling—previously dispersed across the campus. It provides a new and improved space for MiraCosta's Veterans Center.

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

The Child Development Center, located on the northwest corner of campus, serves two purposes: 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 Learning Commons houses The Learning Centers, providing free tutoring and writing support through the Academic Support & Innovations Center, STEM Learning Centers, and Writing Center.

The Athletic Track and Field has been renovated to include a contemporary walking/jogging track alongside a soccer/rugby field, both designed to meet international competition specifications. The Kinesiology, Health and Nutrition, and Gymnasium Complex, spanning 40,000 square feet, has been introduced to replace the previous gymnasium from the 1960s. This modern facility offers much more than traditional gym services, featuring a basketball court, a volleyball court, a lobby area, a specialized coach gym equipped with a large TV screen for strategy reviews, team rooms, classrooms, offices, and additional amenities.

San Elijo Campus

- **Address:** 3333 Manchester Avenue, Cardiff, CA 92007-1516
- **Phone:** 760.944.4449

Established in 1988, MiraCosta College's San Elijo Campus sits on 42 picturesque acres overlooking the San Elijo Lagoon in Cardiff. This vibrant campus offers various educational options, including credit-bearing general education courses and noncredit, fee-based classes and workshops focused on community service.

For students keen on accelerating their education, the 22-month degree programs in business and communication are tailor-made for those ambitious to fast-track their academic and career paths. These programs combine MiraCosta's renowned quality education with your desired pace, making them perfect for individuals ready to advance their careers quickly.

In addition to its academic offerings, the campus enhances community engagement and sustainability by hosting the Cardiff 101 Farmers Market, further enriching its vibrant atmosphere and providing students and visitors with access to local produce and goods.

The North San Diego Small Business Development Center (https://sdivsbdc.org/north-san-diego-sbdc/) (SBDC), hosted by MiraCosta College, collaborates with the US Small Business Administration and the California Community Colleges Chancellor's Office. The SBDC is dedicated to supporting entrepreneurs across North San Diego County through a suite of free or low-cost services. These include personalized counseling sessions and a series of workshops designed to meet the diverse needs of the business community. MiraCosta College also hosts the Veterans Business Outreach Center (VBOC) program, providing entrepreneurial development services such as Boots to Business/Reboot, counseling, and referrals for eligible Veterans owning or considering starting a small business.

You can request an in-person tour from the Schedule a Campus Tour webpage (https://www.miracosta.edu/student-services/outreach-and-recruitment/campus-tour.html).

Community Learning Center

- **Address:** 1831 Mission Avenue, Oceanside, CA 92058-7104
- **Phone:** 760.795.8710

Located just one mile east of I-5 in Oceanside, MiraCosta College's Community Learning Center (CLC) is a hub for a diverse array of noncredit courses, with offerings extending to over 30 locations throughout the District. The CLC provides a comprehensive range of courses in several key areas: basic skills for elementary and secondary education levels; Adult High School; English as a Second Language (ESL) and citizenship; health and safety; programs for older adults; parenting; special education for adults; and short-term vocational training. Beyond academic offerings, the CLC is dedicated to supporting students holistically. This includes providing access to financial aid, academic counseling, and additional resources, such as a food pantry and a lounge area for students to relax and connect with their peers.

Technology Career Institute

- **Address:** 2075 Las Palmas Drive, Carlsbad, CA 92011-1519
- **Phone:** 760.795.6820

Opened in March 2015, MiraCosta College's Technology Career Institute (TCI) provides hands-on training designed to prepare students for careers in high-demand technical and advanced manufacturing industries. Located in Carlsbad, the institute serves as a regional hub for workforce development, offering specialized programs that connect students directly with employment opportunities in sectors critical to the San Diego economy.

Programs at the Technology Career Institute are designed to be short-term, skills-focused, and accessible, enabling students to quickly gain marketable credentials that lead to employment or advancement in technical careers. Many

programs incorporate industry-standard equipment and real-world project-based learning to ensure students gain practical experience before entering the workforce.

MiraCosta College also offers a wide range of community education courses designed for lifelong learners of all ages. These fee-based classes provide opportunities for personal enrichment, professional skill development, and exploration of new interests in areas such as business, technology, creative arts, health and wellness, and personal finance. Community education courses are offered throughout the district at various locations, online, and through the Technology Career Institute.

One of the most popular programs is College for Kids, which provides engaging educational experiences for children and teens during summer and school breaks. These programs introduce young learners to subjects such as science, technology, engineering, arts, and creative exploration in a fun, supportive college environment. College for Kids helps spark curiosity, build confidence, and expose students to future educational pathways while allowing families in the community to connect with MiraCosta College at an early age.

These not-for-credit programs are run by the college's Community Education and Workforce Development Department (https://www.miracosta.edu/academics/community-education-and-workforce-development/).

Inclusion, Diversity, Equity, & Accessibility

MiraCosta College Commitment Statement

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

MiraCosta College Inclusion, Diversity, Equity, Accessibility Statement (Board Policy 3400)

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.

MiraCosta College Is A Proud Hispanic-Serving Institution

In 2013, MiraCosta College received the designation of Hispanic Serving Institution. This significant recognition acknowledges our institution's continuous efforts to support the academic performance and unique needs of Latinx students, many of whom are attending college for the first time or are first-generation. Approximately 43 percent of MiraCosta College students and 24 percent of the college's staff are Latinx as of 2023/24.

The purpose of the IDEA webpage (https://www.miracosta.edu/office-of-the-president/idea/) is to provide the MiraCosta College community with resources around inclusion, diversity, equity, and accessibility (IDEA). It is a living and organic site that grows as our work around IDEA grows at the MiraCosta College.

For more information or to share resources, please email us at idea@miracosta.edu.

Resources and Programs

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

- The Office of Inclusion, Diversity, Equity and Accessibility (https://miracosta.edu/office-of-the-president/idea/office-of-idea.html)
- Inclusion, Diversity, Equity, and Accessibility webpage (https://miracosta.edu/office-of-the-president/idea/)
- Student Equity Department (https://miracosta.edu/student-services/student-equity/)
- Academic Success and Equity (ASE) Programs (https://www.miracosta.edu/student-services/student-equity/academic-success-equity-programs.html)
  - PUENTE (https://www.miracosta.edu/student-services/student-equity/puente-project/)
  - Umoja (https://www.miracosta.edu/student-services/student-equity/umoja-summer-bridge/umoja.html) (https://www.miracosta.edu/student-services/student-equity/umoja-summer-bridge/umoja.html)
  - RAFFY (Resources and Assistance for Former Foster Youth) (https://www.miracosta.edu/student-services/student-equity/raffy.html)
  - Mana (https://www.miracosta.edu/student-services/student-equity/mana/)
  - UPRISE (Undocumented People Rise Together in Solidarity and Empowerment) (https://www.miracosta.edu/student-services/student-equity/uprise/)
  - Transitions Scholars (https://www.miracosta.edu/student-services/student-equity/transitions/)
  - SPHERE (Students' Pride in Honoring Our Existence Through Resistance and Empowerment) (https://www.miracosta.edu/student-services/student-equity/lgbtqia/sphere.html) (https://www.miracosta.edu/student-services/student-equity/transitions/)

- Student Accessibility Services (SAS) (https://www.miracosta.edu/student-services/sas/)
- History and Heritage Programming Series (https://www.miracosta.edu/student-services/student-equity/history-heritage-programming/)
- Annual Access Conferences (https://www.miracosta.edu/student-services/student-equity/access-conferences.html)

Equal Access

Nondiscrimination Policy

The MiraCosta Community College District, and each individual who represents the District, shall provide access to its services, classes, and programs without regard to national origin, immigration status, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, or veteran status, or because they are perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

In addition to the aforementioned legally protected characteristics, the District also has an interest in nondiscrimination based on additional factors such as accent, citizenship status, economic status, and ethnic group identification even though students or employees could not make a legal claim of discrimination based on these factors. *(Source: MCCD Board Policy 3410: Nondiscrimination. All MiraCosta College board policies and administrative procedures are located on the* Board of Trustees webpage *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/*).)*

Section 504 Coordinator

In compliance with Section 504 of the Rehabilitation Act of 1974, MiraCosta College has designated Jeff Higginbotham as its Section 504 Coordinator.

Students with verified disabilities may be eligible for reasonable academic accommodations. Questions specifically regarding access or academic accommodations for students with disabilities in any MiraCosta College program or service may be directed to the Student Accessibility Services (SAS) Office. For more information, please visit the MiraCosta College Student Accessibility Services webpage (https://www.miracosta.edu/student-services/sas/) or call 760.795.6658.

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

College Leadership

Board of Trustees

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Trustee Area 7 (Northeast Oceanside) - Heather Conklin, M.A., M.P.A.

Superintendent/President - Sunita Cooke, Ph.D

Student Trustee - TBA

Administrative Officers

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Assistant Superintendent/Vice President, Human Resources - Hayley Schwartzkopf, J.D.

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Assistant Superintendent/Vice President, Student Services - Alketa Wojcik, Ed.D.

Vice President, Institutional Advancement - Shannon Stubblefield, M.A.

Chief Inclusion, Diversity, Equity, and Accessibility Officer - Wendy Stewart, Ed.D.

Interim Chief Information Systems Officer - Mark Stramaglia, M.B.A.

Director, Public and Governmental Relations, Marketing, and Communications - Kristen Gonzales, Ed.D.

Dean, Admissions and Student Support - Bridget Herrin, Ed.D.

Dean, Arts, International Languages, and Ethnic Studies - Jonathan Fohrman, M.A.

Dean, Continuing and Community Education and Community Learning Center Site Administrator - John Makevich, M.S.

Dean, Business and Technology - Annie Ngo, Ph.D.

Dean, Counseling and Student Development - Ailene Crakes, Ph.D.

Dean, Humanities, Communication Studies and Math and San Elijo Campus Site Administrator- Lauren Halsted, Ed.D.

Dean, Natural and Social Sciences - Michael Fino, Ed.D.

Dean, Nursing, Health, and Wellness - Danielle Lauria, M.P.H.

Dean, Instructional Services - Zhenya Lindstrom, M.S.

Dean, Research, Planning, and Institutional Effectiveness - Christopher Tarman, M.A.

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

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

College Foundation

About the Foundation

Our vision at the MiraCosta College Foundation (https://foundation.miracosta.edu/) is educational opportunities for all. To achieve this vision, MiraCosta College Foundation partners with generous community members to secure resources that transform lives.

Every year, thousands of students who enroll in MiraCosta College need financial support to succeed in school. Through the generosity of donors, last year the foundation provided financial support for 1,080 students, totaling $987,000.

The MiraCosta College Foundation exceeded its $10 million comprehensive campaign goal to support student success, campus programs, and the MiraCosta College endowment. The foundation's priority is to increase college affordability through our annual fund, scholarships, and President's Circle. Donations provide scholarships and grants for tuition, educational materials, living expenses such as rental assistance or groceries, emergencies, and paid internships.

With the rising cost of living and growing need for workforce development, our goal this year is to increase support to keep pace with student needs and their educational goals.

The MiraCosta College Foundation is an independent 501(c)(3) nonprofit organization created to support MiraCosta College students and campus programs and governed by a volunteer board of directors. Your gift is tax-deductible as provided by the law.

We are grateful to the employees, community members, businesses, civic groups, and foundations that support our students and campus programs through their generous gifts.

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

Admissions & Registration

Admissions Information

Welcome Center & Admissions & Records

About the Welcome Center

The Welcome Center (https://www.miracosta.edu/student-services/welcome-center/) is responsible for supporting students to register in credit, and noncredit community education classes, maintaining academic records, and enforcing academic regulations and deadlines. Welcome Center Staff also provide support for inquiries around Financial Aid and Academic Counseling services. For more information, please visit the Welcome Center (https://www.miracosta.edu/student-services/welcome-center/).

Welcome Center Locations

- **Oceanside Campus** (OC), Building 14, First Floor. Phone: 760.795.6620
- **San Elijo Campus** (SEC), Building 1100. Phone: 760.634.7870
- **Community Learning Center** (CLC), Building 300. Phone: 760.795.8710

About Admissions & Records

The Admissions and Records Office is responsible for processing applications, processing grades, maintaining academic records, sending transcripts to other schools, evaluating records for graduation, and enforcing academic regulations.

For more information, please visit the Admissions and Records webpage (https://www.miracosta.edu/student-services/admissions/).

Eligibility for Admission

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

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

Residency Requirements

The Admissions and Records Office determines a student's residency classification when the student applies to MiraCosta and whenever a student has not attended the college for two consecutive terms (fall/spring). 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 the Welcome Center for further information regarding residency requirements.

Admission of International Students

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

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

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

International students who do not meet the college's English language proficiency requirement 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.

The International Office is located at the Oceanside Campus, Building 14, First Floor, Room 14161. Phone: 760.795.6897

Special Admission Programs

Nursing

Nursing students have special application and registration procedures. Specific details about MiraCosta College's nursing programs as well as the admissions requirements are available under the Nursing (p. 307) area of study and on the Nursing & Allied Health webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nursing/).

Biomanufacturing

MiraCosta College offers 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 (p. 137) area of study.

Information for Military-Connected Students

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

- Students must complete a Letter of Intent each term they intend to use their benefits.
- Students must declare a major and enroll in classes required for their major.
- Students must have ALL prior college and military credit evaluated.
- Official transcripts must be received and evaluated by the college before the end of their second primary semester. This must be complete before a comprehensive education plan can be created.
- Students must meet with a MiraCosta academic counselor to obtain a comprehensive education plan before the end of their second primary semester of enrollment to avoid delays in GI Bill® benefit processing.
- Students must be making satisfactory progress toward their educational goals.
- Students must report all changes in their educational status, including adds and drops in class schedule, education plans, or Transfer Admission Guarantee (TAG) agreements, to MiraCosta's Veterans Services Office (https://www.miracosta.edu/student-services/veterans-services/).

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 Military-Connected 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.

Veterans Services (https://www.miracosta.edu/student-services/veterans-services/) is located at the Oceanside Campus, Building 14, First Floor, Room 14171. Phone: 760.795.6750

Readmission Policy

Any student who was enrolled at MiraCosta College but who has been absent for two or more primary terms (summer session not included) is required to submit a new free application for admission. Upon completion and submission of an application, students will be able to continue their studies. Information about catalog rights is available under Catalog Rights (p. 378) as well as from college counselors.

Service members of an active or reserve United States military service who receive orders compelling a withdraw from courses are afforded the opportunity to continue their studies and will be able to maintain the same academic status they had when they last attended, whether they were out one or more terms (fall or spring). For any student who is out two or more primary terms will also need to submit a new free application for admission. For any student where the program (major of study) the student was enrolled in is no longer available or for which catalog rights have changed, the student may enroll into the most closely related program to minimize any disruption toward finishing their educational goals.

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:

- **EOPS**: Students must be enrolled in at least 12 units or 14 contact hours per week.
- **Financial aid**: Most programs require at least half-time enrollment, which is 6 units.
- **Intercollegiate sports:** Students must be actively enrolled in at least 12 units.
- **International students:** Students must be enrolled in at least 12 units, and 9 of those units must be in-person classes.
- **Military-Connected Students**: Students must be enrolled in at least 12 units to receive the maximum benefit through the GI Bill®. Reduced benefits are available for students taking at least 6 units.

Student Onboarding: Orientation & Advisement

The Student Onboarding Process

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

The process also provides essential information for planning a successful college experience. New students must complete the placement process, orientation, and advisement to be eligible for priority registration. To maintain priority registration, students must complete an education plan within two semesters (or 15 units) and maintain good academic standing.

Students new to college (first-time students) or new to MiraCosta College should complete the onboarding process when they apply or as soon as possible. Students who complete these steps may register earlier (this does not apply to concurrently enrolled high school students or students who have previously earned a bachelor's degree).

Although all students should complete the onboarding process (previously known as matriculation), any applicant to the

college may choose not to participate in any onboarding step. However, those who choose not to complete the onboarding steps may not be eligible for priority registration. Students can challenge or appeal any step in the onboarding process by emailing admissions@miracosta.edu.

Onboarding Steps

Step 1: Application

Students complete and submit a MiraCosta College application online. MiraCosta College uses CCCApply (https://home.cccapply.org/) to process all applications. Submitting an online application is a two-step process:

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

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

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

Step 2: Placement Process

MiraCosta College's placement process uses multiple measures (high school GPA, math and English courses, and grades) along with declared major to provide students with information on the best math and English courses to get them on their way to achieving their educational goals.

- **Placement via the MiraCosta Application**

  The MiraCosta Application prompts students to provide their high school GPA, math and English courses, and grades. These multiple measures, along with major, are used to determine placement. Students should have their high school transcript information available when completing the application to MiraCosta College. After providing multiple measures information and submitting the application, students can access their placement information via *Course Placement & Guidance* tile in SURF Student Center within a few days.

- **Other ways to complete placement**

  Students who do not provide their high school transcript information on the application can complete the placement process by

  - submitting an official or unofficial high school transcript to Testing Services;
  - completing the Multiple Measures Self-Report Update Form; or
  - completing a guided self-placement tool for English or ESL course placement.

High school transcripts or requests to complete the guided self-placement tool may be emailed to testing@miracosta.edu.

Students who would like information about the guided self-placement process or alternatives to placement (AP scores, EAP, or prior college coursework) may visit the Testing Services webpage (https://www.miracosta.edu/student-services/testing-services/).

Know Your Rights: AB 705 and AB 1705

Research shows that students are more likely to complete transfer requirements in math and English when placed and enrolled directly in transfer-level coursework. Passed in 2017, Assembly Bill (AB) 705 requires California Community Colleges to maximize the probability that a student will enter and complete transfer-level coursework in English and math within a one-year timeframe. AB 1705 goes even further, aiming to close equity gaps by ensuring that students who plan on getting a degree, certificate, or transferring are placed directly into a transfer-level course that meets the requirement for a student's intended educational goal. AB 1705 mostly affects students whose educational goals require a calculus course.

For more information on AB 705 and AB 1705, visit the AB 705 and MiraCosta webpage (https://www.miracosta.edu/student-services/testing-services/matriculation.html).

Step 3: Orientation

All students (new and current) should complete Online Orientation to learn about academic programs, support services, and college terminology and develop planning tools that will help them succeed at MiraCosta College. Completing orientation is an important onboarding step that can qualify students for priority registration, if they are eligible.

Students can access Online Orientation through their SURF account. Orientation gets students off to a great start on their college career and leads to higher student success. The orientation includes a first-semester education plan that outlines how students can select semester coursework that aligns with transfer and/or degree goals.

Step 4: Education Plan

One of the best ways students can keep their education and career goals on track is to develop an education plan with an academic counselor. An "ed plan" is an individualized roadmap that outlines the courses and requirements needed to achieve a student's educational goal. It includes required courses and program requirements, important dates and deadlines, and relevant transfer and career information.

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

Students are encouraged to develop an education plan with an academic counselor as soon as possible but no later than the end of their second semester at MiraCosta to maintain their eligibility for priority registration.

Registering for Courses

Students may register online using the SURF online registration system with certain exceptions (challenging a prerequisite, time conflict, or late add).

Priority Registration

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

The college provides priority registration for students who have completed the onboarding (p. 19) steps and are eligible under any of the following categorical programs:

- A member of the Armed Forces of the United States and who is a resident of California.
- A veteran of the Armed Forces of the United States and who is a resident of California.
- A student parent who has a child or children under 18 years of age who will receive more than half of their support from that student.
- Foster youth and former foster youth aged 25 years or younger at the commencement of the academic year.
- Unhoused/homeless youth or former unhoused/homeless youth aged 25 years or younger at the commencement of the academic year.
- EOP, CalWORKS/Tribal TANF, and Student Accessibility Services (SAS).
- Justice impacted students receiving services from the Transitions Scholar Program.

Contact Admissions and Records (https://www.miracosta.edu/student-services/admissions/) for more information.
We encourage students on Academic Notice to seek help to improve their academic standing. Students nearing 100 units should carefully plan their remaining courses. Students who have previously earned a bachelor's degree are not eligible for priority registration (with the exception of students in the bachelor's degree program). Note: Priority registration may not apply to registration in certain vocational or allied health programs that require a separate application process.

Credit Courses

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

Courses that transfer to the California State University (CSU) or University of California (UC) identify their transfer status in the "acceptable for credit" section of their course descriptions. Students are encouraged to meet with a MiraCosta College counselor and refer to the ASSIST website (https://www.assist.org/) to determine if a course meets a specific major-preparation requirement. (ASSIST is the official transfer and articulation system for California's public colleges and universities.) Courses approved for the Cal-GETC general education pattern are identified in the Transferring Coursework (https://catalog.miracosta.edu/transferinfo/) section of the catalog.

Course Numbering System

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 (p. 388) in the Academic Standards & Policies section of the catalog.)

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

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

Courses 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 numbered from C1000 to C2999 are transfer-pathway courses that were previously numbered from 100 to 299 and have been renumbered to comply with a new law known as Assembly Bill 1111, or Common Course Numbering (CCN). The purpose of CCN is to ensure that comparable courses across all California community colleges share identical four-digit course numbers that are preceded by a "C," identical four-letter subject abbreviations (such as PSYC for Psychology), identical titles (such as Introduction to Psychology), and similar descriptions. The CCN Chart (p. 23) identifies the MiraCosta College courses that have a common course number as of the current academic year.

Courses numbered from 300 to 400 are considered upper division at MiraCosta College. Students must be admitted to the baccalaureate degree program in biomanufacturing at MiraCosta College to be eligible to register in these courses.

Course Selection

Course selection is generally the student's responsibility and is based on the student's education plan and previous academic record. Registration in English and math courses may require

placement, which is described under "Step 2: Placement Process" in the Student Onboarding section of the catalog (see Student Onboarding: Orientation & Advisement (p. 19)). Members of the counseling staff are available to assist students in evaluating their academic potential and in making proper class selections.

Students seeking detailed information about courses, such as their content, objectives, types of assignments, and fulfillment of a degree, certificate, or general education requirement, may access course outlines from the Curriculum Management System webpage (https://www.miracosta.edu/governance/courses-and-programs-committee/curriculum-management-system.html).

Requisites & Other Registration Limitations

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

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

Some courses place restrictions on registration to prevent students from duplicating coursework. Others specify something the student must do prior to registering in a course, such as audition or obtain special approval. Some registration limitations restrict the number of units a student can earn or the number of courses a student can take within a group of courses that share a similar primary educational objective.

Meeting & Clearing Prerequisites

Students may meet prerequisite requirements through satisfactory completion of designated MiraCosta College courses or by completing coursework from other institutions accredited by an agency recognized by the U.S. Secretary of Education.

Using Coursework from Other Institutions to Clear Prerequisites

To clear prerequisites taken at another institution, students need to provide a transcript or other evidence, such as a grade report, to the Academic Records Evaluators along with a Prerequisite Clearance form. The office reviews the transcript or other evidence to determine applicability. Grades of C- from an institution accredited by a nationally recognized accrediting agency will be accepted (1.7 grade points based on a 4.0 scale or the equivalent). It generally takes 3 to 5 business days to clear a prerequisite taken at another institution.

Additionally, students may meet prerequisites by qualifying through appropriate MiraCosta competency or other approved exams. High school coursework may not be used to clear prerequisites unless the prerequisite listed in the course description specifically allows for it.

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

Challenging Requisites & Other Registration Limitations

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

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

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

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

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

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

Multiple & Overlapping Enrollments

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

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

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

- The student provides sound justification other than scheduling convenience of the need for an overlapping schedule.
- The student provides an instructor-approved schedule of specific days and time when the student will make up the coursework.
- The director of Admissions and Records approves the schedule.
  - The director of Admissions and Records will review and may approve time conflicts for 20 minutes or less per week; and
  - Time conflict requests for more than 20 minutes per week will not be considered; and
  - Time conflicts for online synchronous courses will be treated the same as in-person courses.
- The student makes up the overlapping time during the same week under supervision of the instructor of the course.

(*Source: MCCD Administrative Procedure 4226*)

Adding Classes

Full-semester-length and 15-week classes may be added through the second week or 10 percent deadline of the semester (or session). Students wishing to add a class that is closed (full) may attend the first class meeting and request a permission number from the instructor if space becomes available.

Students 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 on the Important Dates webpage (https://www.miracosta.edu/student-services/admissions/important-dates.html).

Dropping Classes

Students are responsible for dropping their 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 (up to the start of the semester), 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 by using the online SURF system by the appropriate deadline.

Four deadlines pertain to dropping a class:

- Add/Drop Deadline - Students who drop a class by the add/drop deadline are eligible for a refund and no record on their transcript.
- Withdrawal - Students who drop a class after the add/drop deadline will be issued a "W" (withdrawal) and no refund.
- Financial Aid Drop Deadline - Students who drop a course at sixty (60) percent of the term are subject to the calculation of the return of Title IV funds for financial aid purposes.
- Last Day to Drop and Receive a W deadline - The last day to drop and receive a W occurs at seventy-five (75) percent of the class. After this date, students who remain enrolled will receive an evaluative grade and no refund.

Students should check SURF or their course syllabus for the deadlines specific to their course(s).

Waitlist for Full Classes

Prior to the start of the class, students have the option to be placed on a waitlist for full sections. The last day for students to add themselves to a waitlist is the Saturday before the first day of class. Students will be auto-registered daily until the Sunday before the first day of classes. Information regarding successful enrollment, required payment, and any problems will be communicated to students via email.

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

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

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

Common Course Numbering (CCN)

About CCN

Common course numbering is a state-mandated initiative (Assembly Bill 1111) aimed at ensuring uniformity in course numbers across California community colleges. Transfer-pathway courses that California community colleges have in common will share identical four-digit course numbers preceded by a "C," identical four-letter subject abbreviations, identical titles, and identical descriptions. The goal of this initiative is to reduce the accumulation of excess college credits and to streamline students' transfer to four-year postsecondary educational institutions. The initiative is being accomplished by all California community colleges in phases, with Phase 1 implementation in fall 2025 and Phase 2 implementation in fall 2026.

Courses with a CCN at MiraCosta College

The following chart identifies the MiraCosta College courses that have been updated thus far with a common course subject, number, and title, as well as the former course subject, number, and title for reference.

Common Course Subject and Number	Common Course Title	Former Course Subject and Number	Former Course Title
ANTH C1001	Introduction to Biological Anthropology	ANTH 101	Biological Anthropology
ANTH C1001H	Introduction to Biological Anthropology - Honors	ANTH 101H	Biological Anthropology (Honors)
ANTH C1001L	Biological Anthropology Lab	ANTH 101L	Biological Anthropology Laboratory
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	ART 258	Ancient to Gothic Art
ARTH C1200	Survey of Art from the Renaissance to Contemporary	ART 259	History of Renaissance to Modern Art
ASTR C1001	Introduction to Astronomy	ASTR 101	Descriptive Astronomy
ASTR C1001L	Introduction to Astronomy Lab	ASTR 101L	Descriptive Astronomy Laboratory
CDEV C1000	Child Growth and Development	CHLD 113	Child and Adolescent Growth and Development
COMM C1000	Introduction to Public Speaking	COMM 101	Public Speaking
COMM C1004	Interpersonal Communicatior	COMM 207	Interpersonal Communication
ECON C2001	Principles of Microeconomics	ECON 102	Principles of Economics: MICRO
ECON C2002	Principles of Macroeconomi	ECON 101	Principles of Economics: MACRO
ENGL C1000	Academic Reading and Writing	ENGL 100	Composition and Reading
ENGL C1001	Critical Thinking and Writing	ENGL 202	Critical Thinking and Composition
ENGL C1001H	Critical Thinking and Writing (Honors)	ENGL 202H	Critical Thinking and Composition (Honors)
ENGL C1002	Introduction to Literature	LIT 120	Introduction to Literature
ENGL C1003	Critical Thinking and Writing through Literature	ENGL 201	Critical Thinking, Composition, and Literature
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	ENGL 201H	Critical Thinking, Composition, and Literature (Honors)
HIST C1001	United States History to 1877	HIST 110	United States History to 1877
HIST C1001H	United States History to 1877 - Honors	HIST 110H	United States History to 1877 (Honors)
HIST C1002	United States History since 1865	HIST 111	United States History since 1877
HIST C1002H	United States History since 1865 - Honors	HIST 111H	United States History since 1877 (Honors)
MATH C2210	Calculus I: Early Transcendentals	MATH 150	Calculus and Analytic Geometry I
MATH C2210E	Calculus I: Early Transcendentals - Embedded Support	MATH 150S	Calculus and Analytical Geometry I with Integrated Support
MATH C2210H	Calculus I: Early Transcendentals - Honors	MATH 150H	Calculus and Analytic Geometry I (Honors)
MATH C2220	Calculus II: Early Transcendentals	MATH 155	Calculus and Analytic Geometry II
POLS C1000	American Government and Politics	PLSC 102	American Institutions and History
PSYC C1000	Introduction to Psychology	PSYC 101	General Psychology
PSYC C1000H	Introduction to Psychology (Honors)	PSYC 101H	General Psychology (Honors)
SOCI C1000	Introduction to Sociology	SOC 101	Introduction to Sociology
SOCI C1000H	Introduction to Sociology - Honors	SOC 101H	Introduction to Sociology (Honors)
STAT C1000	Introduction to Statistics	MATH 103	Statistics
STAT C1000E	Introduction to Statistics (Embedded Support)	MATH 103S	Statistics with Integrated Support
STAT C1000H	Introduction to Statistics (Honors)	MATH 103H	Statistics (Honors)

Fees

Fee Payment

Students are responsible for paying all enrollment and mandatory fees. Fees are due at the time of enrollment or before the payment deadline date. Students must drop or withdraw from all classes by the published refund deadline to avoid being held responsible for related fees. Not attending class does not qualify as an official drop and will not result in a refund or waiver of fees.

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

For detailed information and deadlines on drops for non-payment and debt holds, please visit the Cashier's Office (https://www.miracosta.edu/administrative/student-accounts-office/) website.

Enrollment Fee

MiraCosta College is required by state law to charge each student a per-unit enrollment fee for credit classes. The enrollment fee is $46.00 per unit. Nonresident students are charged an additional fee per credit along with the enrollment fee. Please note:

- Fees are subject to change.
- Payment is due at the time of enrollment for classes. Please visit the Important Dates webpage (https://www.miracosta.edu/student-services/admissions/important-dates.html) and click on "detailed list of dates and deadlines" for payment/drop deadlines.

If a third party is paying your fees (Department of Rehabilitation, scholarships, tuition assistance, or Workers Compensation), please contact the Cashiers' Office prior to the start of the term to ensure all paperwork is approved and received.

Exemptions

Exemptions from the enrollment fee are available for students who have one of the following completed:

- California College Promise Grant (CCPG).
- MCC Promise Grant.
- Students who have turned in an approved TA authorization.
- An approved Third-Party Vendor: Paperwork must be submitted before the start of the term.
- Noncredit classes.
- Approved Apprenticeship Program classes only: Please contact Admissions (admissions@miracosta.edu) for more information.
- Concurrently enrolled high school students: Please contact Admissions (admissions@miracosta.edu) for more information.

Additional financial aid may be available to those who qualify. Please see Financial Aid (https://www.miracosta.edu/student-services/financial-aid/) for more information.

Non-Resident Tuition

The nonresident tuition is $377.00 per unit. This fee is in addition to the enrollment fee of $46.00 per unit for any student who is not a resident of California.

Exemptions

Permissive exemptions from non-resident tuition include the following (per Education Code, sections 76140 and 76140.5):

- All nonresident students enrolling for 6 or fewer units.
- A student who is a citizen and resident of a foreign country who demonstrates financial need and this required exemption.
- All students, other than nonimmigrant aliens under 8 US Code Section 1101(a)(15), who meet the following requirements:
  - high school attendance in California for three or more years;
  - graduation from California high school or attainment of the equivalent thereof;
  - registration or enrollment in a course offered for any term commencing on or after January 1, 2002;
  - completion of a questionnaire form prescribed by the California Community Colleges Chancellor's Office verifying eligibility for this nonresident tuition exemption; and,
  - in the case of a student without lawful immigration status, the filing of an affidavit that the student has filed an application to legalize his/her/their immigration status or will file an application as soon as he/she/they is eligible to do so.
- A nonresident student who enrolls in a credit English as a Second Language (ESL) course at the district and who is any of the following:
  - a recent immigrant, as defined in 8 US Code Code Section 1101(a)(15);
  - a recent refugee, as defined in 8 US Code Section 1101(a)(42); or
  - a person who has been granted asylum by the United States, as defined in 8 US Code Section 1158.

This exemption applies only to individuals who, upon entering the United States, settled in California and who have resided in California for less than one year. This exemption applies only to the tuition fee for credit ESL courses.

For questions regarding residency, please contact the Student Services Office (https://www.miracosta.edu/student-services/admissions/california-residency-requirements.html).

Upper-Division Fees

The biomanufacturing bachelor's degree is an additional $84.00 per credit. The total amount per unit is $130.00.

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.

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. The fee covers the cost of secondary student accident insurance and helps fund the operational expenses of the Health Services Center. This fee is $22 per term.

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 who depend exclusively upon prayer for healing in accordance with the teachings of a bona fide religious sect, denomination, or organization.
- Students who are attending a community college under an approved apprenticeship training program.
- Students who are enrolled in noncredit courses are not required to pay the health services fee; however, they may elect to do so if they want to avail themselves of the services.
- Students who are in an approved apprenticeship-training program.

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:

- Parking permits are required for all students who park on campus.
- $35.00 for automobiles per term for spring and fall ($17.50 for summer term).
- $20.00 for automobiles per term for students who qualify for CCPG waiver for spring and fall terms.
- $17.50 for licensed moped or motorcycle in spring and fall ($8.75 for summer term).

For more information about Parking on Campus, please visit the Parking Regulations webpage (https://www.miracosta.edu/administrative/college-police/parking-regulations.html) on the Campus Police website.

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 credit classes. This fee is waived for students who provide the Financial Aid Office with documentation of their participation in AFDC/TANF, SSI, or General Relief. All concurrently enrolled high school students are exempt from this fee.

Student Representation Fee

California Education Code (section 76060.5) requires community colleges to charge a student representation fee of $2.00 at the time of registration to support student organizations both locally and statewide.

Students can opt out of the Student Representation fee (https://miracosta.atlassian.net/wiki/spaces/KB/pages/3154116985/Pay+Student+Fees+Purchase+Student+ID+Cards+SURF) during registration by selecting the "Student Financial Tile," clicking "Make a Payment," and checking the box to confirm they wish to decline the fee.

Student Identification Card Fee (optional)

The student identification (ID) card, known as the Spartan Pass, is available to all students (noncredit and credit) for a $6 fee. The optional ID card provides many benefits on and off campus. For example, the Spartan Pass offers many discounts, including savings at retail shops, restaurants, museums, sporting events, and travel. View the Student ID cards and discounts (https://www.miracosta.edu/student-services/student-life/id-cards.html) webpage for more details.

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

Students can pay for their Spartan Pass in SURF or at the Cashier's Office. After paying, students can request their Spartan Pass by visiting the Engage webpage (https://miracosta.campuslabs.com/engage) and completing the "Spartan Pass/Nursing ID Card Application."

Transcript Fees

The first two transcripts requested by the student are free of cost. Additional copies cost $5 each. An additional $2 processing fee is charged for transcripts ordered online. View the Transcript webpage (https://www.miracosta.edu/student-services/admissions/transcripts.html) for more details.

Make a Payment

- To make a payment or view an online tutorial, please visit the Cashier's Office webpage (https://www.miracosta.edu/administrative/student-accounts-office/).
- To enroll in a monthly payment plan, please visit the Payment Plan webpage (https://www.miracosta.edu/administrative/student-accounts-office/payment-plans.html).

California Veteran Dependent Exemption

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

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

Contact the MiraCosta College Veterans Services Office (https://www.miracosta.edu/student-services/veterans-services/) (760.757.2121 ext. 6285), the California Association of County Veterans Service Officers (http://www.cacvso.org/), or the California Department of Veterans Affairs (https://www.calvet.ca.gov/) (916.503.8397) for information about how to apply for this college fee waiver.

Delinquent Debt Collection Charge

Students are responsible for paying all fees associated with their student account. If the California State Legislature changes the fees, students are responsible for any increases in fees for classes that remain on or are added to their SURF account. Failure to pay fees results in the balance becoming past due and subject to the collections process. It is essential for students to regularly check their SURF account, as accounts can be viewed through the student's SURF portal.

Before Debt Is Sent to Collections

Before a delinquent debt is forwarded to collections, students will receive three official collection letters sent via mail. If the student does not pay the balance due to the District, their account will be sent to one of MiraCosta's third-party collections processors: CEDAR Financial or COTOP.

- CEDAR Financial is a third-party collections agency that assists MiraCosta College with collecting outstanding student account balances, including both financial aid and non-financial aid debts. If an account is sent to CEDAR Financial, a $50.00 processing fee will be added to the student's account.
- Chancellor's Office Tax Offset Program (COTOP) is a program that allows the state to recover funds owed to MiraCosta College by intercepting tax refunds or lottery winnings. If a student's account is sent to COTOP, a 25 percent processing fee will be added to the account.

Who Gets Sent to Collections

If a student's account becomes past due, it is subject to being sent to a third-party collections agency. MiraCosta College will send three official debt collection letters via the United States Postal Service. The third letter is the final notice, giving students 30 days to respond before the account is sent to collections. Students who believe their debt balance is incorrect should contact the Cashier's Office to review and resolve any discrepancies.

Student Responsibilities

It is the student's responsibility to:

- Regularly check their SURF account for updates on fees, balances, and payment deadlines.
- Respond to official collection letters in a timely manner.
- Pay fees promptly to avoid the collections process, which includes additional fees.
- Contact the Cashier's Office if there are concerns or questions regarding their account balance.

For more information, please contact the Cashier's Office at 760.795.6835 or email at cashier@miracosta.edu

Instructional Materials

"Instructional materials" refers to all the required materials for a course, including textbooks, supplemental materials, and supplies. Most credit courses require students to provide their own instructional materials, which can cost upwards of $150 per class unless the class section is designated as Zero Textbook Cost (ZTC) or Low Textbook Cost (LTC).

No-Cost and Low-Cost Options

ZTC-designated classes typically use no-cost digital textbooks, online resources, and homework systems, and they may have optional print texts and other required materials, such as lab supplies, a calculator, or test forms, that are not free.

LTC-designated classes use course materials that may be purchased new for $40 or less at the MiraCosta College bookstore.

You can search for ZTC and LTC classes in SURF where they are marked with the following logos:





Note: While the college strives to ensure the accuracy of ZTC and LTC designations, under some circumstances, faculty

may have to adjust the selection of instructional materials, which can affect course material costs. Additionally, when the college must change an instructor originally assigned to a class, the replacement instructor is not obligated to use free or low-cost course materials selected by the original instructor.

Other Cost-Saving Options

Students are encouraged to participate in the bookstore's textbook rental, used book, and book buy-back programs. Textbooks, lab manuals, workbooks, and other course materials for classes taught online or at the Oceanside Campus can be rented or purchased from the Oceanside Campus bookstore (https://www.bkstr.com/miracostastore/shop/textbooks-and-course-materials); course materials for classes taught at the San Elijo Campus can be rented or purchased from the San Elijo Campus bookstore (https://www.bkstr.com/miracostastore/shop/textbooks-and-course-materials). Books for classes taught at the Community Learning Center (CLC) must be purchased or rented at the CLC bookstore. (Please see the Bookstore page (p. 44) for more information.)

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. The Financial Aid Office is located on the Oceanside Campus in Building 14, First Floor, Room 14147. For more information, please visit the Financial Aid webpage (https://www.miracosta.edu/student-services/financial-aid/) or call 760.795.6711.

All students may also participate in the EOPS Textbook Loan Program (https://www.miracosta.edu/student-services/eops/textbook-loan-program.html) (open to all students), which loans textbooks to students for the entire semester. Finally, the library has many textbooks on reserve (https://library.miracosta.edu/textbooks), enabling students to study from those textbooks while visiting the library and/or the library website.

Materials Fees

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.

Refunds

Student Eligibility for Refunds

Refunds are given when students officially drop from a class during the scheduled refund deadline. Please visit the Important Dates webpage (https://www.miracosta.edu/student-services/admissions/important-dates.html) for refund deadlines. Failure to attend class does not constitute an official drop.

Refunds of enrollment, non-resident, student center, health services, and material fees are given to the following eligible students providing one of the following has been met:

- A student's class has been canceled by the District.
- A student has officially dropped their class during the first two weeks of the semester if in a full-term class or by the 10 percent date if in a short-term or late-start course.
- A student who is a member of an active or reserve United States military service has received orders compelling a withdrawal from courses at any time during the semester. (To submit verification for a Military Withdrawal, please email the director of admissions and records at admissions@miracosta.edu.)
- A student has paid tuition prior to receiving a California College Promise Grant (CCPG).

Note: Parking and identification card fees are nonrefundable.

Processing of Refunds

All payments that were paid out of pocket and subjected to a refund, regardless of when the class was dropped, will be processed after the Add/Drop deadline. Please see the Important Dates and Deadlines (https://www.miracosta.edu/student-services/admissions/important-dates.html) webpage for more details.

- Students who paid by credit or debit card will have the refund credited back to the card that was used for payment.
- Students who paid by ACH will be refunded by check to the student's mailing address on file with the college.
- Refunds are processed weekly throughout the semester; please allow one-to-two weeks for processing.
- Students who need to update their address should contact Admissions & Records.

Since class start dates can differ from class-to-class, students should refer to the Important Dates webpage (https://www.miracosta.edu/student-services/admissions/important-dates.html) in order to determine the drop date required for 100 percent tuition refund. Students who have not received their refund by the sixth week of classes should call the Student Accounts Office at 760.795.6835.

Students Receiving Financial Aid

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 US Department of Education. Additional information is available in the Financial Aid Office.

Financial aid refunds are disbursed through BankMobile (https://bankmobiledisbursements.com/refundchoicessso/). If you have questions regarding when your money will be available, please see the Financial Aid webpage under the section called "How Often Disbursements Take Place (https://www.miracosta.edu/student-services/financial-aid/disbursement.html)."

Credit from Other Colleges & Articulated High School Courses

Credit for Courses Completed at Other Colleges

MiraCosta College grants degree credit for courses completed at other institutions accredited by an agency recognized by the U.S. Secretary of Education. In addition, 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 other institutions accredited by a nationally recognized accrediting agency are evaluated for counting toward degree requirements based on C-ID number, course description, comparable or equivalent content, student learning outcomes, and appropriate prerequisites, to ensure they meet or exceed the standards of the California Community Colleges. Students may be required to provide a course outline and/or a syllabus to determine course comparability and an official transcript.

Courses completed at another California community college and from other other institutions accredited by an agency recognized by the U.S. Secretary of Education are applied to the MiraCosta College General Education (MCGE) pattern using the following criteria:

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

Courses are placed on the transferable general education pattern, Cal-GETC, according to the policies set by the California State University (CSU) and the University of California (UC).

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

Credit for International Coursework

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

Credit for Articulated High School Courses

MiraCosta College offers college Credit for Prior Learning: Credit by Exam to high school students through agreements with select high school courses that align with MiraCosta College career education courses. Agreements are established after MiraCosta College faculty have formally agreed that the high school course's outline, syllabus, textbook, and final assessment are comparable to those in a course of the same#subject at MiraCosta College. These agreements between high school and MiraCosta College were formally called articulation agreements.

High school students may earn credit by exam if they enroll in a high school career education course with a MiraCosta College agreement, are admitted as a current MiraCosta College student, petition for college credit, and earn a grade of A or B in the high school course and on the assigned final assessment. MiraCosta College will transcript the student's final assessment grade with a notation of "Prior Learning: Credit by Exam."

While most credits earned through Credit by Exam are accepted by transfer institutions as elective credit, it is the discretion of each institution if they will accept the credit and how it will be applied toward a student's education goal. Students should seek guidance from a MiraCosta College counselor on how different institutions accept Credit by Exam.

Currently there are more than 30 MiraCosta College courses with established high school agreements in the following Academic and Career Pathways: Business & Technology, Creative & Applied Arts, Health Sciences, Math & Sciences, and Social & Behavioral Sciences.

C-ID Courses

About C-ID

The Course Identification Numbering System (C-ID) is a statewide numbering system that assigns a common number to comparable courses within the California community college system. This number is independent from the course numbers assigned by MiraCosta College or any other community college in the state.

When a C-ID number is listed in the catalog or schedule at the end of a MiraCosta course description, students can be assured the course will be accepted in lieu of a course bearing the same C-ID designation at another community college. Many courses with C-ID descriptors may also meet requirements for the Associate Degree for Transfer to the California State University system.

Courses with C-ID at MiraCosta College

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

MiraCosta Course	Course Title	C-ID #
ACCT 201	Financial Accounting	ACCT-110
ACCT 202	Managerial Accounting	ACCT-120
ADM 100	Introduction to the Administration of Justice	AJ-110
ADM 200	Concepts of Criminal Law	AJ-120
ADM 210	Criminal Procedures	AJ-122
ADM 220	Criminal Evidence	AJ-124
ADM 230	Policing in a Diverse and Multicultural Society	AJ-160
ADM 270	Crime and Delinquency	AJ-220
ADM 280	Criminal Investigation	AJ-140
ANTH 102	Cultural Anthropology	ANTH-120
ANTH 103	Introduction to Archaeology	ANTH-150
ANTH C1001	Introduction to Biological Anthropology	ANTH-110
ANTH C1001H	Introduction to Biological Anthropology - Honors	ANTH-110
ANTH C1001L	Biological Anthropology Lab	ANTH-115L
ART 100	Drawing and Composition	ARTS-110
ART 101	Design and Color	ARTS-100, ARTS-270
ART 102	Drawing and Composition II	ARTS-205
ART 103	3D Design	ARTS-101
ART 203	Figure Drawing I	ARTS-200
ART 204	Painting I: Oils	ARTS-210
ART 245	Digital Art and Media	ARTS-250
ARTH 158	Indigenous Arts of Africa, Oceania, and the Americas	ARTH-140
ARTH 159	Indigenous Arts of Central and South America	ARTH-145
ARTH 260	History of Modern Art	ARTH-150
ARTH 260H	History of Modern Art (Honors)	ARTH-150
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	ARTH-110
ARTH C1200	Survey of Art from the Renaissance to Contemporary	ARTH-120
AUTO 102	Preventive Maintenance and Engine Performance	AUTO-110X*
AUTO 155	Manual Transmissions and Transaxles	AUTO-130X*
AUTO 156	Automatic Transmissions and Transaxles	AUTO-120X*
AUTO 200	Automotive Electric and Hybrid Vehicles	ALTF-100X*
AUTO 220	HVAC Heating, Ventilation, and Air Conditioning	AUTO-170X*
BIO 202	Foundations of Biology: Evolution, Biodiversity and Organismal Biology	BIOL-140
BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology	BIOL-190
BIO 202 + BIO 204	Foundations of Biology: Evolution, Biodiversity and Organismal Biology + Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology	BIOL-135S
BIO 210	Human Anatomy	BIOL-110B
BIO 220	Human Physiology	BIOL-120B

BUS 120	Introduction to Business	BUS-110
BUS 140	Legal Environment of Business	BUS-120, BUS-125
BUS 290	Business Communication	BUS-115
CHEM 150	General Chemistry I: For Science Majors	CHEM-110
CHEM 150 + CHEM 151	General Chemistry I: For Science Majors + General Chemistry II: For Science Majors	CHEM-120S
CHEM 210	Organic Chemistry I: For Science Majors	CHEM-150
CHEM 210 + CHEM 211	Organic Chemistry I: For Science Majors + Organic Chemistry II: For Science Majors	CHEM-160S
CDEV 105	Principles and Practices of Teaching Young Children	ECE-120
CDEV 106	Introduction to Curriculum in Early Childhood	ECE-130
CDEV 200	Observation and Assessment in Early Childhood	ECE-200
CDEV 205	Health, Safety, and Nutrition	ECE-220
CDEV 210	Child, Family, and Community	CDEV-110
CDEV 235	Children in a Diverse Society	ECE-230
CDEV 270	Practicum - The Student Teaching Experience	ECE-210
CDEV C1000	Child Growth and Development	CDEV-100
COMM 106	Group Communication	COMM-140
COMM 111	Narrative Performance	COMM-170
COMM 120	Principles of Human Communication	COMM-180
COMM 212	Argumentation	COMM-120
COMM 215	Intercultural Communication	COMM-150
COMM 220	Introduction to Mass Communication	JOUR-100
COMM C1000	Introduction to Public Speaking	COMM-110
COMM C1004	Interpersonal Communication	COMM-130
CS 101	Introduction to Computer Science Principles	COMP-112
CS 111	Introduction to Computer Science I: Java	COMP-122, ITIS-130
CS 113	Basic Data Structures and Algorithms	COMP-132
CS 150	C++ Programming	COMP-122
CS 220	Computer Architecture and Embedded Systems	COMP-142
CS 226	Discrete Structures	COMP-152
CSIT 120	Fundamentals of Computer Information Systems	ITIS-120, BUS-140
CSIT 180	Fundamentals of Computer Hardware and Software	ITIS-110
CSIT 181	Fundamentals of Computer Networking	ITIS-150
CSIT 182	Fundamentals of Computer Security	ITIS-160
CSIT 183	Windows Server	ITIS-155
CSIT 184	Linux Server	ITIS-155
CSIT 188	Cybersecurity: Ethical Hacking	ITIS-164
CSIT 191	Fundamentals of Cisco Networking	ITIS-150
DRAM 105	Introduction to Theatre	THTR-111
DRAM 107	Introduction to Design for Performance	THTR-172
DRAM 123	Script Analysis for Performance and Design	THTR-114
DRAM 130	Acting I	THTR-151
DRAM 141	Lighting Design for Theatre, Television, and Film	THTR-173
DRAM 146	Costume Design for Theatre, Television, and Film	THTR-174
DRAM 201	Rehearsal and Performance: Dramatic Theatre	THTR-191
DRAM 202	Rehearsal and Performance: Comedic Theatre	THTR-191
DRAM 203	Rehearsal and Performance: Classical Theatre	THTR-191
DRAM 204	Rehearsal and Performance: Musical Theatre	THTR-191
DRAM 210	Rehearsal and Performance: Technical Theatre	THTR-192

DRAM 231	Acting II	THTR-152
DRAM 253	Makeup for Theatre, Television, and Film	THTR-175
DRAM 256	Stagecraft for Theatre, Television, and Film	THTR-171
ECON C2001	Principles of Microeconomics	ECON-201
ECON C2002	Principles of Macroeconomics	ECON-202
ENGL 280	Creative Writing	ENGL-200
ENGL C1000	Academic Reading and Writing	ENGL-100
ENGL C1001	Critical Thinking and Writing	ENGL-105
ENGL C1001H	Critical Thinking and Writing (Honors)	ENGL-105
ENGL C1002	Introduction to Literature	ENGL-120
ENGL C1003	Critical Thinking and Writing through Literature	ENGL-110
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	ENGL-110
ETHN 207	Race and Ethnic Relations	SOCI-150
GEOG 101L	Earth's Dynamic Environment: Introduction to Physical Geography Lab	GEOG-111
GEOG 102	People, Place, and Time: Introduction to Human Geography	GEOG-120
GEOG 104	World Geography	GEOG-125
GEOL 101	Physical Geology	GEOL-100
GEOL 101L	Physical Geology Laboratory	GEOL-100L
HEAL 101	Principles of Health	PHS-100
HEAL 180	Introduction to Public Health	PHS-101
HEAL 205	Integrative Health and Wellness	PH-106
HEAL 222	Stress Management	PH-107
HIST 100	World History to 1500	HIST-150
HIST 100H	World History to 1500 (Honors)	HIST-150
HIST 101	World History Since 1500	HIST-160
HIST 101H	World History Since 1500 (Honors)	HIST-160
HIST 103	Early European History and Culture	HIST-170
HIST 104	Modern European History and Culture	HIST-180
HIST C1001	United States History to 1877	HIST-130
HIST C1001H	United States History to 1877 - Honors	HIST-130
HIST C1002	United States History since 1865	HIST-140
HIST C1002H	United States History since 1865 - Honors	HIST-140
HORT 115	Soil Science	AG-PS-128L
HORT 116	Plant Science	AG-PS-104, AG-PS-106L
HORT 117	Plant Identification: Trees, Shrubs, and Vines	AG-EH-108L, AG-EH-112L
HORT 126	Irrigation and Water Management	AG-EH-144X*
HORT 128	Landscape Construction	AG-EH-132X*
HORT 134	Integrated Pest Management	AG-EH-120X*
HOSP 100	Introduction to Hospitality Management	HOSP-100
HOSP 114	Hospitality Law	HOSP-150
HOSP 133	Introduction to Hotel Management	HOSP-140
HOSP 150	Hospitality Cost Control	HOSP-120
HOSP 153	Introduction to Food and Beverage Management	HOSP-130
KINE 190	Introduction to Kinesiology	KIN-100
LIT 250	American Literature: First Contact Through the Civil War	ENGL-130
LIT 251	American Literature: Mid-1800s to the Present	ENGL-135
LIT 260	English Literature Through the 18th Century	ENGL-160
LIT 261	English Literature: Romantic to Contemporary	ENGL-165
LIT 270	World Literature to 1600	ENGL 140
LIT 271	World Literature Since 1600	ENGL-145
MATH 115	Calculus with Applications	MATH-140
MATH 260	Calculus and Analytic Geometry III	MATH-230
MATH 265	Differential Equations	MATH-240
MATH 270	Linear Algebra	MATH-250

MATH C2210	Calculus I: Early Transcendentals	MATH-211
MATH C2210H	Calculus I: Early Transcendentals - Honors	MATH-211
MTEC 110	Recording Arts I	CMUS-130X*
MTEC 120	Digital Audio Production I	CMUS-120X*
MTEC 160	Business of Music and Media I	CMUS-140X*
MUS 110	Theory/Musicianship I	MUS-125
MUS 111L	Musicianship II	MUS-135
MUS 128	Piano for Music Majors I	MUS-170
MUS 129	Piano for Music Majors II	MUS-171
MUS 144A	Individual Instruction I	MUS-160
MUS 144B	Individual Instruction II	MUS-160
MUS 150A	Contemporary Big Band I	MUS-180
MUS 150B	Contemporary Big Band II	MUS-180
MUS 152A	Studio Jazz Ensemble I	MUS-185
MUS 152B	Studio Jazz Ensemble II	MUS-185
MUS 210	Music Theory III	MUS-140
MUS 210L	Musicianship III	MUS-145
MUS 211	Music Theory IV	MUS-150
MUS 211L	Musicianship IV	MUS-155
MUS 228	Classical Piano	MUS-172
MUS 244A	Individual Instruction III	MUS-160
MUS 244B	Individual Instruction IV	MUS-160
MUS 250A	Contemporary Big Band III	MUS-180
MUS 250B	Contemporary Big Band IV	MUS-180
MUS 252A	Studio Jazz Ensemble III	MUS-185
MUS 252B	Studio Jazz Ensemble IV	MUS-185
NUTR 100	Nutrition Today	NUTR-110
NUTR 120	Principles of Food Science with Lab	NUTR-120
PHIL 101	Introduction to Philosophy: Knowledge and Reality	PHIL-100
PHIL 101H	Introduction to Philosophy: Knowledge and Reality (Honors)	PHIL-100
PHIL 102	Ethical Problems	LPPS-120, PHIL-120
PHIL 110	Introduction to Logic	PHIL-110
PHYS 111	Introductory Physics I	PHYS-105
PHYS 112	Introductory Physics II	PHYS-110
PHYS 111 + PHYS 112	Introductory Physics I + Introductory Physics II	PHYS-100S
PHYS 151	Principles of Physics I	PHYS-205
PHYS 151 + PHYS 152 + PHYS 253	Principles of Physics I + Principles of Physics II + Principles of Physics III	PHYS-200S
PHYS 152	Principles of Physics II	PHYS-210
PHYS 253	Principles of Physics III	PHYS-215
POLS C1000	American Government and Politics	POLS-110
POLS 101	Introduction to Political Science	POLS-150
POLS 101H	Introduction to Political Science (Honors)	POLS-150
POLS 103	Comparative Government	POLS-130
POLS 150	Introduction to International Relations	POLS-140
PSYC C1000	Introduction to Psychology	PSY-110
PSYC C1000H	Introduction to Psychology (Honors)	PSY 110
PSYC 100	Psychology of Personal Growth	PSY-115
PSYC 103	Social Psychology	PSY-170
PSYC 104	Statistics for Behavioral Science	SOCI-125
PSYC 104H	Statistics for Behavioral Science (Honors)	SOCI-125
PSYC 114	Abnormal Psychology	PSY-120
PSYC 115	Human Sexuality	PSY-130
PSYC 121	Human Development	PSY-180
PSYC 145	Psychology/ Sociology of the Family	SOCI-130
PSYC 205	Research Methods in Psychology	PSY-200
PSYC 260	Physiological Psychology	PSY-150
SOCI 102	Contemporary Social Problems	SOCI-115
SOCI 103	Social Psychology	PSY-170

SOCI 105	Introduction to Justice Studies	SOCI-160
SOCI 120	Introduction to Women's Studies	SJS-120
SOCI 125	Introduction to Statistics in Sociology	SOCI-125
SOCI 130	Introduction to Gender Studies	SOCI-140
SOCI 140	Introduction to LGBT Studies	SJS-130
SOCI 145	Psychology/ Sociology of the Family	SOCI-130
SOCI 205	Introduction to Research Methods in Sociology	SOCI-120
SOCI 207	Race and Ethnic Relations	SJS-110, SOCI-150
SOCI C1000	Introduction to Sociology	SOCI-110
SOCI C1000H	Introduction to Sociology - Honors	SOCI-110
SPAN 101	Elementary Spanish (First Semester)	SPAN-100
SPAN 102	Elementary Spanish (Second Semester)	SPAN-110
SPAN 201	Intermediate Spanish (Third Semester)	SPAN-200
SPAN 202	Intermediate Spanish (Fourth Semester)	SPAN-210
SPAN 221	Spanish for Native Speakers	SPAN-220
SPAN 222	Spanish for Native Speakers II	SPAN-230
STAT C1000	Introduction to Statistics	MATH-110
STAT C1000H	Introduction to Statistics (Honors)	MATH-110
SWHS 110	Introduction to Social Work and Human Services	SWHS-110
SWHS 120A	Social Work and Human Services Seminar	SWHS-120A

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

Credit for Prior Learning

About Credit for Prior Learning

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

Grading for CPL is in accordance with MiraCosta College's regular grading system and all related policies and procedures (see Grades & Grading Policies (p. 382)). Credit earned by an assessment of prior learning will be clearly annotated on the student's academic record.

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

Units earned for CPL cannot be counted for federal financial aid payment purposes, Selective Service deferment, veterans' benefits, or Social Security benefits. CPL may be counted for pace of progression and maximum unit calculations.

Determination of Eligibility for Credit for Prior Learning

Credit may be awarded for prior experience or prior learning only for individually identified courses (https://catalog.miracosta.edu/admissionsenrollment/alternativecredit/CPL_Courses_2026-2027.pdf) with subject matter similar to that of the student's prior learning and only for a course listed in the MiraCosta College Catalog.

Award of credit will be made to general education or program requirements when possible and to electives for students who do not require additional general education or program credits to meet their goals. Units for which credit is given shall not be counted in determining the 12 semester units in residence required for an associate degree.

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

Approved Methods for Awarding Credit for Prior Learning

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

- Achievement of a satisfactory score on any of the following standardized examinations: Advanced Placement (AP), International Baccalaureate (IB), and College Level Examination Program (CLEP).*
- Evaluation of Joint Services Transcripts (JST).*
- Satisfactory completion of an institutional examination, known as credit by exam, administered by discipline faculty.*
- Evaluation of industry-recognized credential documentation.
- Evaluation of a student portfolio or other assessment approved or conducted by proper authorities of the college.

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

Credit for Standardized Examinations

Advanced Placement (AP) Examination Program

MiraCosta grants credit to high school students who attain scores of 3, 4, or 5 on AP exams administered by the College Entrance Examination Board. Credit earned through an advanced placement exam will be specifically notated as such on the student's academic record. The Advanced Placement Guide (p. 37) identifies how specific AP exams can be used for CPL.

International Baccalaureate (IB) Examination Program

MiraCosta grants credit toward the associate degree for most high level exams passed with a minimum score of 5. However, individual departments may also determine course equivalency. The International Baccalaureate Guide (p. 40) identifies how specific exams can be used for CPL.

College Level Examination Program (CLEP)

MiraCosta grants credit for the successful completion of certain CLEP general examinations and subject examinations with a minimum score of 50. The CLEP Guide (p. 41) identifies how specific exams can be used for CPL.

Credit for US Military Service/Training

MiraCosta College grants experience credit of three elective units for submission of any DD214, 295, or other military transcript.

Military service school training will be evaluated and awarded associate degree credit in accordance with the recommendations contained in the American Council on Education (ACE) Guide to the Evaluation of Educational Experiences in the Armed Forces. In most circumstances, the units awarded will be elective credit. Students may also receive credit for USAFI/Dantes subject standardized tests and USAFI courses by submitting an official transcript to the Admissions and Records Office. Students should submit a verified copy of their DD214/military transcript to the Admissions and Records Office for evaluation.

Credit by Exam

Credit by exam is a process whereby discipline faculty administer a locally developed exam to determine whether a student can demonstrate sufficient mastery of the learning

outcomes of that course. The determination to offer credit by exam rests solely on the discretion of the discipline faculty. A separate exam shall be conducted for each course for which credit is to be granted.

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

1. A departmental or program credit by exam policy is on file with Student Services.
2. An instructor designated by the department eligible to give credit by exam in the course agrees that credit by exam is appropriate. The instructor is responsible for selecting an appropriate exam.
3. The student must be currently enrolled at the college and in good standing (see Academic Progress and Notice (p. 375)).
4. An exam may be taken only one time for a specific subject and will not be given in a subject previously completed unsatisfactorily (D, F, or NP).
5. The deadline for returning a completed CPL Assessment petition is the thirty (30) percent deadline of a regular semester or the third week of classes during summer intersession.
6. Students have until the seventy-five (75) percent deadline to withdraw their intent to take the exam in writing to the Admissions and Records Office; after that, they must take the exam or they will automatically be issued a grade of "F."
7. Credit by exam will not be offered for a course the student is currently enrolled in or for a course that is a prerequisite to a more advanced course in the same subject for which the student has already received college credit.
8. A maximum of 15 units will be granted as credit by exam at MiraCosta College. Note: This number does not include credit for standardized tests.

Credit Using Industry-Recognized Credentials

The determination to offer CPL using industry-recognized credential documentation rests solely on the discretion of the discipline faculty. Students shall receive credit if the discipline faculty who normally teach the course for which credit is to be granted determine the industry certification adequately measures mastery of the course outcomes as set forth in the course outline of record.

Students who wish to demonstrate proficiency in a course eligible for CPL using industry certification and receive college credit must file a CPL Assessment petition to the Admissions and Records Office by the thirty (30) percent deadline of a regular semester or the third week of classes during summer intersession.

Credit Using Other Assessments

The determination to offer CPL using other types of assessment rests solely on the discretion of the discipline faculty. The nature and content of other types of assessment, such as student portfolios or skills demonstrations, shall be determined by faculty in the discipline who normally teach the course for which credit is to be granted. Students shall receive credit if the faculty determine that the assessment adequately measures sufficient mastery of the course outcomes as set forth in the course outline of record.

Students who wish to demonstrate proficiency in a course eligible for CPL and receive college credit using a faculty-approved assessment method must file a CPL Assessment petition by the Friday of the thirty (30) percent deadline of a regular semester or the third week of classes during summer intersession..

(Source: MCCD Board Policy and Administrative Procedure 4235. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*).)*

Advanced Placement Guide

Advanced Placement (AP) exams with a minimum score of 3 can be used toward associate degree requirements, Cal-GETC Certification requirements, and CSU and UC admission requirements.

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. AP exams that have been discontinued are not shown on this table. A student with catalog rights may be able to use the now discontinued exam if accepted under the comparable area of IGETC or under Cal-GETC at the time the exam was taken. 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.

Advanced Placement Exam	**MCC Course(s) Maximum AA/AS Units***	**MiraCosta GE Area**	**Cal-GETC Certification Area/Semester Units****	**CSU Minimum Admission Semester Units****	**UC Admission Semester Units*****
African American Studies	N/A	N/A	N/A	3 units	2.6 units
AP Seminar	3 units	N/A	N/A	3 units	N/A
Art History	ARTH C1100 and ARTH C1200 6 units	Area 3 3 units	Area 3A or 3B 3 units	6 units	5.3 units
Biology	BIO 110 or BIO 111 and BIO 111L 6 units	Area 5 4 units	Areas 5B and 5C 4 units	6 units	5.3 units
Calculus AB	MATH C2210 3 units (only one Calculus AP exam applied to degree)	Area 2 3 units	Area 2 3 units	3 units (only one Calculus AP exam applied to degree)	2.6 units (5.3 units max credit for Calculus AP exams)
Calculus BC	MATH C2210 and MATH C2220 6 units (only one Calculus AP exam applied to degree)	Area 2 3 units	Area 2 3 units	6 units (only one Calculus AP exam applied to degree)	5.3 units (max credit for Calculus AP exams)
Calculus BC/AB Subscore	N/A 3 units (only one Calculus AP exam applied to degree)	Area 2 3 units	Area 2 3 units	3 units (only one Calculus AP exam applied to degree)	2.6 units (5.3 units max credit for Calculus AP exams)
Chemistry	CHEM 150 (only if score of 4 or 5) 6 units	Area 5 4 units	Areas 5A and 5C 4 units	6 units	5.3 units
Chinese Language and Culture	N/A 6 units	Area 3 3 units	Area 3B 3 units	6 units	5.3 units
Comparative Government and Politics	POLS 103 3 units	Area 4 3 units	Area 4 3 units	3 units	2.6 units
Computer Science A	CS 111 3 units	N/A	N/A	3 units (only one CS AP exam applied to degree)	5.3 units
Computer Science AB	N/A 6 units	N/A	N/A	6 units	N/A
Computer Science Principles	CS 101 3 units (only one CS AP exam applied to degree)	Area 2 3 units	N/A	6 units (only one CS AP exam applied to degree)	5.3 units
English Language and Composition	ENGL C1000 6 units	Area 1A 3 units	Area 1A 3 units	6 units	5.3 units (max credit for English AP exams)

English Literature and Composition	ENGL C1000 and LIT elective 6 units	Areas 1A and 3 6 units	Areas 1A or 3B 3 units	6 units	5.3 units (max credit for English AP exams)
Environmental Science	N/A 4 units	Area 5 4 units	Areas 5A and 5C 3 units	4 units	2.6 units
European History	HIST 104 6 units	Area 3 3 units	Area 3B or 4 3 units	6 units	5.3 units
French Language and Culture	FREN 201 6 units	Area 3 3 units	Area 3B 3 units	6 units	5.3 units
German Language and Culture	6 units	Area 3 3 units	Area 3B 3 units	6 units	5.3 units
Human Geography	GEOG 102 3 units	Area 4 3 units	Area 4 3 units	3 units	2.6 units
Italian Language and Culture	ITAL 201 6 units	Area 3 3 units	Area 3B 3 units	6 units	5.3 units
Japanese Language and Culture	JAPN 201 6 units	Area 3 3 units	Area 3B 3 units	6 units	5.3 units
Latin	N/A 6 units	Area 3 3 units	Area 3B 3 units	6 units	5.3 units
Macroeconomics	ECON C2002 3 units	Area 4 3 units	Area 4 3 units	3 units	2.6 units
Microeconomics	ECON C2001 3 units	Area 4 3 units	Area 4 3 units	3 units	2.6 units
Music Theory	MUS 111 6 units	N/A	N/A	6 units	5.3 units
Physics 1: Algebra-Based	PHYS 111 4 units (6 units max credit for Physics AP exams)	Area 5 4 units	Areas 5A and 5C 4 units (max GE credit for Physics AP exams)	4 units (6 units max credit for Physics AP exams)	5.3 units (5.3 units max credit for Physics AP exams)
Physics 2: Algebra-Based	PHYS 112 4 units (6 units max credit for Physics AP exams)	Area 5 4 units	Areas 5A and 5C 4 units (max GE credit for Physics AP exams)	4 units (6 units max credit for Physics AP exams)	5.3 units (5.3 units max credit for Physics AP exams)
Physics C: Electricity and Magnetism	PHYS 152 4 units (6 units max credit for Physics AP exams)	Area 5 4 units	Areas 5A and 5C 3 units (max GE credit for Physics AP exams)	4 units (6 units max credit for Physics AP exams)	2.6 units (5.3 units max credit for Physics AP exams)
Physics C: Mechanics	PHYS 151 4 units (6 units max credit for Physics AP exams)	Area 5 4 units	Areas 5A and 5C 3 units (max GE credit for Physics AP exams)	4 units	2.6 units (5.3 units max credit for Physics AP exams)
Pre-Calculus	MATH 126 or MATH 135 3 units	Area 2 3 units	N/A	3 units	N/A
Psychology	PSYC C1000 or PSYC C1000H 3 units	Area 4 3 units	Area 4 3 units	3 units	2.6 units
Spanish Language and Culture	SPAN 201 6 units	Area 3 3 units	Area 3B 3 units	6 units	5.3 units
Spanish Literature and Culture	SPAN 202 6 units	Area 3 3 units	Area 3B 3 units	6 units	5.3 units
Statistics	BTEC 180, BUS 204, PSYC 104, PSYC 104H, SOCI 125, STAT C1000, STAT C1000E, or STAT C1000H 3 units	Area 2 3 units	Area 2 3 units	3 units	2.6 units

Studio Art (2-D Art and Design, 3-D Art and Design, Drawing)	N/A 3 units	N/A	N/A	3 units per exam	5.3 units per exam (5.3 units max credit for all three exams)
US Government and Politics+	POLS C1000 3 units	Area 4 3 units	Area 4 and US-1, US-2, US-3 CSU AI requirement 3 units	3 units	2.6 units
US History+	HIST C1001 and HIST C1002 6 units	Area 4 3 units	Area 3B or 4 and US-1 CSU AI requirement 3 units	6 units	5.3 units
World History: Modern	HIST 100 or HIST 101 3 units	Area 3 or 4 3 units	Area 3B or 4 3 units	3 units	5.3 units

* MCC Advanced Placement Policies

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

** CSU Advanced Placement Policies

The listed AP exams may be incorporated into certification of California General Education Transfer Curriculum (Cal-GETC). All California State University (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. The CSU Minimum Admission Semester Units column reflects the minimum number of units all CSU campuses will accept toward CSU admission. Each CSU campus determines how it will apply credits earned by external examinations toward the degree major. (See https://www.calstate.edu/apply/transfer/Pages/advanced-placement-ap.aspx.)

*** UC Advanced Placement Policies

The listed AP exams may be incorporated into certification of California General Education Transfer Curriculum (Cal-GETC). The last column reflects the minimum number of units all University of California (UC) campuses will accept toward UC admission. Each UC campus determines how it will apply credits earned by external examinations toward the degree major. (See https://admission.universityofcalifornia.edu/admission-requirements/ap-exam-credits/ap-credits/.)

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

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

IB Exam	MiraCosta GE Area/Units Maximum Degree Units	Cal-GETC Certification Area/Units	CSU Admission Units	UC Admission Units
Biology HL	Area 5/3 units AA/AS 6 units	Area 5B/3 units	6 units	5.3 units
Chemistry HL	Area 5/3 units AA/AS 6 units	Area 5A/3 units	6 units	5.3 units
Economics HL	Area 4/3 units AA/AS 6 units	Area 4/3 units	6 units	5.3 units
Geography HL	Area 4/3 units AA/AS 6 units	Area 4/3 units	6 units	5.3 units
History HL (any region)	Area 3 or 4/3 units AA/AS 6 units	Area 3B or 4/3 units	6 units	5.3 units
Language A: Literature (any language except English) HL*	Area 3/3 units AA/AS 6 units	Area 3B/3 units	6 units	5.3 units
Language A: Language and Literature (any language except English) HL*	Area 3/3 units AA/AS 6 units	Area 3B/3 units	6 units	5.3 units
Language A: Literature (any language) HL*	Area 3/3 units AA/AS 6 units	Area 3B/3 units	6 units	5.3 units
Language A: Language and Literature (any language) HL*	Area 3/3 units AA/AS 6 units	Area 3B/3 units	6 units	5.3 units
Language B: (any language) HL*	6 units	N/A	6 units	5.3 units
Mathematics: Analysis and Approaches HL*	Area 2/3 units AA/AS 6 units	Area 2/3 units	6 units	5.3 units
Mathematics: Applications and Interpretation HL*	Area 2/3 units AA/AS 6 units	Area 2/3 units	6 units	5.3 units
Physics HL	Area 5/3 units AA/AS 6 units	Area 5A/3 units	6 units	5.3 units
Psychology HL	Area 4/3 units AA/AS 6 units	Area 4/3 units	3 units	5.3 units
Theatre HL*	Area 3/3 units AA/AS 6 units	Area 3A/3 units	6 units	5.3 units

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

NOTES:

- 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.
- IB courses that have been discontinued are not shown on this table. A student with catalog rights may be able to use a now discontinued course if accepted under the directly comparable area of IGETC or under Cal-GETC at the time the course was taken.

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 requirements.

CLEP Exam	MiraCosta GE Area/Semester Units	MiraCosta Associate Degree Semester Units	CSU Minimum Admission Semester Units
American Government	Area 4/3 units	3 units	3 units
American Literature	Area 3/3 units	3 units	3 units
Analyzing and Interpreting Literature	Area 3/3 units	3 units	3 units
Biology	Area 5/3 units	3 units	3 units
Calculus	Area 2/3 units	3 units	3 units
Chemistry	Area 5/3 units	3 units	3 units
College Algebra	Area 2/3 units	3 units	3 units
College Algebra-Trigonometry	Area 2/3 units	3 units	3 units
College Composition Modular	N/A	N/A	N/A
College Mathematics	N/A	N/A	N/A
English Composition (no essay)	N/A	N/A	N/A
English Composition with Essay	N/A	N/A	N/A
English Literature (exam taken prior to fall 2011)	Area 3/3 units	3 units	3 units
Financial Accounting	N/A	3 units	3 units
French Level I (score of 50) +	N/A	6 units	6 units
French Level II (score of 59; exam taken prior to fall 2015) +	Area 3/3 units	12 units	12 units
French Level II (score of 59)	Area 3/3 units	9 units	9 units
Freshman College Composition	N/A	N/A	N/A
German Level I (score of 50) +	N/A	6 units	6 units
German Level II (score of 60; exam taken prior to fall 2015) +	Area 3/3 units	12 units	12 units
German Level II (score of 60)	Area 3/3 units	9 units	9 units
History, U.S. I ++	Area 4/3 units	3 units	3 units
History, U.S. II ++	Area 4/3 unit	3 units	3 units
Human Growth and Development	N/A	3 units	3 units
Humanities	Area 3/3 units	3 units	3 units
Information Systems and Computer Applications	N/A	3 units	3 units
Introduction to Educational Psychology	N/A	3 units	3 units
Introductory Business Law	N/A	3 units	3 units
Introductory Psychology	Area 4/3 units	3 units	3 units
Introductory Sociology	Area 4/3 units	3 units	3 units
Natural Sciences	Area 5/3 units	3 units	3 units
Pre-Calculus	Area 2/3 units	3 units	3 units
Principles of Accounting	N/A	3 units	3 units
Principles of Macroeconomics	Area 4/3 units	3 units	3 units
Principles of Management	N/A	3 units	3 units

Principles of Marketing	N/A	3 units	3 units
Principles of Microeconomics	Area 4/3 units	3 units	3 units
Social Sciences and History	N/A	N/A	N/A
Spanish Level I (score of 50) +	N/A	6 units	6 units
Spanish Level II (score of 63; exam taken prior to fall 2015) +	Area 3/3 units	12 units	12 units
Spanish Level II (score of 63)	Area 3/3 units	9 units	9 units
Spanish with Writing Level I (score of 50) +	N/A	6 units	6 units
Spanish with Writing Level II (score of 63) +	Area 3/3 units	9 units	9 units
Trigonometry* (exam taken prior to fall 2006)	Area 2/3 units	3 units	3 units
Western Civilization I	Area 3 or 4/3 units	3 units	3 units
Western Civilization II	Area 4/3 units	3 units	3 units

MiraCosta CLEP Policies:

+ 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.

CSU CLEP Policies: 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.

++ 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

Admissions & Records Office

About Admissions and Records

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

For more information, please visit the Admissions and Records webpage (https://www.miracosta.edu/student-services/admissions/).

Offices

The function of Admissions and Records is handled in three locations:

- Oceanside Campus, Building 14. Phone: 760.795.6620
- San Elijo Campus, Building 1100. Phone: 760.634.7870
- Community Learning Center (Adult High School and noncredit classes), Building 300. Phone: 760.795.8710

Athletics & Intramural Sports

Intercollegiate Athletics

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

MiraCosta College participates in the California Community College Athletic Association (3C2A), along with more than 100 California community colleges, and is a member of the Pacific Coast Athletic Conference, which also includes the eight community colleges in San Diego County.

To participate in intercollegiate athletics, a student must be admitted to the college, be enrolled full time, and meet eligibility requirements of the 3C2A. Special rules apply to transfer students. Students wishing to determine eligibility status should contact the athletic director by calling 760.757.2121, extension 6242.

For more information, please visit the MCC Spartans website (https://mccspartans.com/landing/index) or call the Athletic Department at 760.757.2121, extension 6194.

Club Sports

The Rugby Club at MiraCosta offers opportunities for students to compete in the Gold Coast Conference. The MiraCosta women's flag football club will compete against community colleges and four-year universities. The MiraCosta Surf Club offers opportunities for students to compete in the collegiate division of the National Scholastic Surfing Association.

For more information on club sports, please contact the Athletic Department at 760.757.2121, extension 6194 or the athletic director at 760.757.2121, extension 6242.

Intramural Sports

The MiraCosta College Intramural Sports program is open to all enrolled students free of charge.

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

For more information on intramural sports, please contact the athletic coordinator at 760.757.2121, extension 6425.

Bookstores

About the Spartan Bookstores

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

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

Bookstore Locations

- Textbooks, lab manuals, workbooks, and other course materials for classes taught online or at the Oceanside Campus can be rented or purchased online or in person from the Oceanside Campus bookstore (https://www.bkstr.com/miracostastore/shop/textbooks-and-course-materials), located on the Oceanside Campus in Building 3400. Phone: 760.795.6630
- Course materials for classes taught at the San Elijo Campus can be rented or purchased from the San Elijo Campus bookstore (https://www.bkstr.com/miracostastore/shop/textbooks-and-course-materials). Phone. 760.634.7830
- Books for classes taught at the Community Learning Center (CLC) must be purchased or rented at the CLC bookstore. Phone: 760.795.8708

Campus Assessment, Resources, & Education (CARE)

About CARE

The Campus Assessment, Resources and Education (CARE) Team is committed to taking a holistic approach to help our students succeed while addressing any challenges they may be experiencing to meet their basic needs, such as food, housing, transportation, childcare, and legal aid.

On-campus and off-campus resources are often provided to students to help meet their short-term and long-term needs with the goal of improving the outcomes of their academic and personal success. For more information and how to be referred for CARE services, please visit the CARE webpage (https://www.miracosta.edu/student-services/care/).

How to Reach Us

The CARE Team is available in-person or remotely (via ZOOM, phone, or email) by appointment and by walk-in (based on availability) at the following locations and times:

- **Oceanside Campus,** Student Services (Building 14), First Floor, Room 14107
  - **Hours:** Monday-Thursday, 8 a.m. to 7 p.m.; Friday, 8 a.m. to 3 p.m.
- **San Elijo Campus,** Student Center (Building 900)
  - **Hours:** Monday-Thursday, 9 a.m. to 4:30 p.m.; Friday, 9 a.m. to 3 p.m.
- **Community Learning Center,** Student Services (Building 300), Room CLC330
  - **Hours:** Monday-Thursday, 9 a.m. to 6:30 p.m.; Friday, 9 a.m. to 3 p.m.

CARE Referrals

If you or someone you know is in need of support and resources, please submit a CARE Referral (https://cm.maxient.com/reportingform.php?MiracostaCollege&layout_id=1).

Career Studies & Services

About the Career Center

The mission of Career Studies & Services, also known as the Career Center, is to empower students to make informed, intentional career decisions.

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.

Career Center Services

The Career Center offers career assessment and counseling to assist students with making effective decisions related to their education and career planning, which are critical components of student success.

The Career Center also offers credit and noncredit courses in career and life planning, internships, and work experience education and hosts no-cost workshops to provide students with the skills they need to conduct results-oriented job and internship searches.

The Career Center's services are offered through individual sessions and group workshops on a walk-in and by-appointment basis. At the Career Center's Oceanside Campus location, in Building 14, Second Floor, Room 14266, students may access computers in the lab, which is equipped with up-to-date career interest and employment preparation software as well as information on a variety of careers, labor market forecasts, salaries, and all aspects of preparing for an internship or for employment.

The Career Center's Resources for Students webpage (https://www.miracosta.edu/student-services/career-center/student-resources/) offers brief videos about preparing for professional employment, online resume and cover letter resources, and access to MiraCosta College's Job and Internship Network, JAIN, where local employers exclusively recruit MiraCosta students for internships and jobs.

For more information, please visit the Career Center's Resources for Students webpage (https://www.miracosta.edu/student-services/career-center/student-resources/) or call 760.795.6772.

College Police & Lost and Found

College 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.

College Police assist with vehicle lock outs, jump starts, and traffic control, and it hosts community policing events and a self-defense program.

College Police also coordinate the District's Emergency Preparedness Program.

For more information about the MiraCosta College Police Department, please visit the College Police webpage (https://www.miracosta.edu/administrative/college-police/).

Parking

Parking Permits

Parking permits are required at all times while school is in session. Students are required to purchase and display a new parking permit each semester (fall, spring, and summer). Daily

parking permits are also available and may be purchased at all three campuses.

Disabled placards will be honored in lieu of a parking permit; however, students who have a valid disabled placard, and are the registered owner of the placard or plate, must still register their vehicle with College Police.

Temporary parking arrangements can be made for students who sustain a temporary injury; these permits are available at the Student Accessibility Services (SAS) Office (760.795.6658).

Student Parking

On the **Oceanside Campus**, students may park in marked stalls in student lots 1B, 1C, 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 in Parking Lots 3C and 4C only.

On the **San Elijo Campus** and at the **Community Learning Center**, students may park in marked spaces in student lots.

MiraCosta College Parking Guidelines are available at College Police offices and on the College Police webpage (https://www.miracosta.edu/administrative/college-police/). Please note: The district accepts no responsibility for damage to vehicles or their contents while parked on district property.

For more information, please call the **Parking Information Line**: 760.795.6674.

Police Escorts

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.

Safety & Security Report

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 webpage (https://www.miracosta.edu/administrative/college-police/).

Campus Locations, Contact Information, and Service Hours

Oceanside Campus

- Location: Building 1100
- Phone: 760.795.6640
- Hours: Monday–Friday, 7 a.m.–11 p.m. and Saturday, 7 a.m.–3 p.m.

San Elijo Campus

- Location: Police Kiosk at entrance of campus.
- Phone: 760.795.6640
- Hours: Monday–Friday, 7 a.m.–10 p.m. and Saturday, 8 a.m.–3 p.m.

Community Learning Center

- Location: Room 207
- Phone: 760.795.6640
- Hours: Monday–Thursday, 7 a.m.–9:30 p.m. and Friday–Saturday, 8 a.m.–3 p.m.

Emergency Notification

- From on Campus District Phone: Dial 6911 or press Campus Emergency button on phone.
- Call Boxes

Lost and Found

Lost and Found is located at the College Police Office at the **Oceanside Campus** (760.795.6640), in the 1100 Building at the **San Elijo Campus** (760.634.7870), and in Building 200, Room 207, at the **Community Learning Center** (760.795.8896).

Child Development Center

MiraCosta College's Child Development Center serves as a campus lab school, providing both academic instruction to college students enrolled in child development courses and early care and education to children of student, staff, and community families.

The Center provides developmentally appropriate, play-based, and inclusive programming for children between the ages of 18 months and 5 years (not kindergarten eligible). MiraCosta's student families (enrolled in six or more units) receive priority enrollment as well as reduced tuition.

Location and Services

Located on the Oceanside Campus in Building 8000, the Child Development Center is open weekdays from 7:45 a.m. to 4:30 p.m. throughout the academic year.

- Half-day classroom options are available for toddlers (ages 18 months to 2 years).
- Half-day and full-day classroom options are available for preschoolers (ages 2 to 5 years).

Registration

Registration for the fall semester begins May 11. Applications for enrollment are available each semester through the Child Development Center's webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/child-development/child-development-center/). Classes fill quickly, and families are encouraged to apply early.

Contact

For additional information and program requirements, interested families should visit the Child Development Center's webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/child-development/child-development-center/) or call 760.795.6656.

Counseling Services

About Academic Counseling

Academic Counseling offers individualized academic, career, and personal counseling to support both prospective and current students in developing their educational plans, clarifying their academic and career goals, and understanding degree, certificate, and transfer requirements.

Students can visit the office or call to schedule an appointment or learn about drop-in availability. For more information, please visit the Academic Counseling webpage (https://www.miracosta.edu/student-services/counseling/).

Counseling Center Contact Information

- Oceanside Campus, Building 14, Second Floor. Phone: 760.795.6670
- San Elijo Campus, Administration Building. Phone: 760.944.4449, ext. 6670
- Hours: Monday–Thursday, 8 a.m.–7 p.m.; Friday, 8 a.m.–3 p.m.

Extended Opportunity Programs & Services (EOPS)

About EOPS

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

The EOPS program's mission is to encourage the enrollment, retention, graduation, and transfer of low-income students who face educational, social, or language-related barriers.

EOPS services are designed to give students individualized attention and support as they work to achieve their academic goals. Services include academic counseling, textbook assistance, priority registration, computer lab, and printing, CSU/UC application fee waivers, and other services.

The EOPS office is located on the Oceanside Campus in Building 14, Second Floor, Room 14276. For more information, please visit the EOPS webpage (https://www.miracosta.edu/student-services/eops/) or call 760.795.6680.

Eligibility Requirements

To qualify, students must satisfy the following requirements:

- Be enrolled in 12 units at the time of acceptance to the program (some exceptions are available for Student Accessibility Services or special vocational programs).
- Be eligible for the California College Promise Grant "A" or "B" (formerly Board of Governors Fee Waiver).
- Be a California resident or meet AB540/California Dream Act requirements.
- Be educationally disadvantaged as determined by regulations.
- Have completed fewer than 70 degree-applicable units of college coursework.

How to Apply

Students may apply online via their SURF account. Information about how to access and submit an EOPS application is available on the New EOPS Applicant webpage (https://www.miracosta.edu/student-services/eops/eops-application.html). Eligible students are required to attend an EOPS orientation to complete their admissions process into the program.

NEXTUP Program

NextUp is a supplemental component of EOPS designed to support foster youth students seeking to further their educational career at MiraCosta College by providing over and above support services. NextUp services include academic counseling, priority registration, book vouchers, specialized workshops, transportation assistance via gas cards or bus passes, meal vouchers, and grants (if funds are available).

Eligibility Requirements

- Be a current or former foster youth in California whose dependency was established or continued by a court of competent jurisdiction, including a tribal court, on or after the youth's 13th birthday.
- Be no older than 25 years of age at the commencement of the academic year in which the student first enrolls in the program.
- Be enrolled in at least 9 units or work to enroll in 9 units progressively.
- Provide a letter of dependency/ward of the court letter to the NextUp Student Services Specialist.

CalWORKs Program

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

For more information, please visit the CalWORKs Program webpage (https://www.miracosta.edu/student-services/calworks/) or contact the EOPS office to schedule a CalWORKs intake appointment.

Financial Aid Office

About Financial Aid

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 a student's/family's ability to contribute toward those educational costs.

Application processing, from filing to eligibility for disbursement, typically takes several weeks. The Financial Aid Office recommends applying early.

The Financial Aid Office is located on the Oceanside Campus in Building 14, First Floor, Room 14147. For more information, please visit the Financial Aid webpage (https://www.miracosta.edu/student-services/financial-aid/) or call 760.795.6711

Financial Aid Programs

Federal aid programs available at MiraCosta College include the following:

- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grant (FSEOG)
- Federal Work-Study (FWS)
- Federal Direct Student Loan programs.

State programs available at MiraCosta College include the following:

- Extended Opportunity Programs and Services (EOPS) grants
- California College Promise Grant (CCPG, formerly known as the BOG Fee Waiver)
- Cal Grants
- Student Success & Completion Grant (SSCG)
- Chafee Grant (for foster youth)

Local programs include the MiraCosta College Promise and various institutional scholarships.

Applying for Financial Aid

Students should file the Free Application for Federal Student Aid (FAFSA) at the Federal Student Aid webpage (https://studentaid.gov/h/apply-for-aid/fafsa) or the California Dream Act Application (CADAA) at the Dream Act Application webpage (https://dream.csac.ca.gov/landing) for all programs.

The priority filing date is March 2 of each year preceding the school year for which the student plans to attend and receive financial aid funds. The March 2 date is a deadline only for Cal Grant programs and a priority date for other programs, so students should apply even if this date has passed.

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

Eligibility Requirements

Federal Aid Programs

To be eligible for federal aid, students must meet the following federal requirements:

1. Be a US 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, they 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; see below).
5. Not be in default on a federal student loan or owe a repayment of federal grant funds.

State Aid Programs

Eligibility requirements for state aid programs vary.

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

Financial Aid Satisfactory Academic Progress (SAP)

In accordance with federal regulations, a Satisfactory Academic Progress (SAP) policy is in place at MiraCosta College. Student performance is reviewed at the end of each term. Students must complete their goal within 150 percent of the normal units required for that program while maintaining a 66.67 percent completion rate (units completed [UC] ÷ units attempted [UA]) and an overall 2.0 grade point average. These standards must be met to be eligible for financial aid initially and on a continuing basis regardless of previous financial aid history. The SAP policy applies to all all federal programs, including the federal Pell Grant, as well as to some state programs.

To access the complete Financial Aid Satisfactory Academic Progress policy, please visit the Financial Aid Office (FAO) webpage (https://www.miracosta.edu/student-services/financial-aid/links.html).

Refunds/Repayment

Students who receive federal financial aid funds and subsequently withdraw from *all* courses before the 60 percent date of the semester must receive a Return to Title IV Aid (R2T4) calculation to determine amount(s) owed back to federal aid programs by both the school and the student.

Repayment to the federal aid programs is made according to formulas established by the US Department of Education and State of California regulations. More information is available on the Financial Aid Office webpage (https://www.miracosta.edu/student-services/financial-aid/) and from the MiraCosta College Financial Aid Student Guide (https://www.miracosta.edu/student-services/financial-aid/_docs/financial-aid-student-guide.pdf).

Ineligible Programs/Courses for Federal Financial Aid

Financial aid eligibility is based on required units in which the student is enrolled as of the full semester add/drop date (see academic calendar (p. 5) for dates). These dates apply to all courses, including early and late start courses.

Eligible programs are degrees (associate and bachelor's) or certificates that lead to gainful employment. Eligible certificate programs must be a minimum of one year in length. (Certificate programs are described under Areas of Study & Courses (https://catalog.miracosta.edu/disciplines/).)

Dual enrollment courses: Courses taken during high school are not financial aid ineligible. These courses do count for SAP calculations.

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

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

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

Food Pantry & Food Distributions

Food Pantry

The Food Pantry provides food assistance and referrals to students experiencing food insecurity; any student who is currently enrolled in at least one course at MiraCosta College qualifies for the support. The support consists of either a snack or entrée items. Typical pantry items consist of canned goods (pasta, vegetables, beans, tuna, soups, and fruit), granola bars, crackers, and snack-like items.

The program provides immediate, short-term relief and offers referrals for CalFresh and additional community resources for ongoing assistance with food insecurity. More detailed information about the food pantry is available on the CARE webpage (https://www.miracosta.edu/student-services/care/).

Food Pantry services are available on all three campus sites:

- Oceanside Campus: Building 14, First Floor, Room 14111. Phone: 760.757.2121 ext. 2200.
- Community Learning Center: Building 300, Room 331. Phone: 760.795.8710
- San Elijo Campus: Student Center, Building 900 (Student Gathering Space), Room 934. Phone: 760.944.4449 ext. 7475

For service hours, please visit the Food Pantry webpage (https://www.miracosta.edu/student-services/care/food-pantry.html).

CARE Free Food & Resource Market

In addition to the campus Food Pantry, MiraCosta College offers a free monthly food distribution program known as CARE Free Food & Resource Market. This is a campus-wide collaboration with the San Diego Food Bank and Feeding San Diego to provide access to FREE produce and dry goods.

To access this service, students need their Spartan Pass or SURF ID number. For a monthly schedule, please visit the CARE webpage (https://www.miracosta.edu/student-services/care/).

CalFresh Resources

CalFresh (federally known as the Supplemental Nutrition Assistance Program) provides monthly food benefits to income-qualifying families and students. Eligible individuals receive free money for food. Students who are interested in finding out more information about this resource or receive application assistance can visit our CalFresh webpage (https://www.miracosta.edu/student-services/calfresh/).

Local Food Distributions and Food Resources

The San Diego Food Bank and Feeding San Diego provide a wide variety of food resources and local food distributions in a community near you. Food resources include programs like a client choice pantry, emergency food assistance, congregate meals, and more. To find out more information on how to access these resources, visit The North County Food Bank– Programs (https://sandiegofoodbank.org/programs/) or Feeding San Diego–Food Distributions (https://feedingsandiego.org/need-help/food-distributions/).

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

How You Can Get Involved

Volunteer

Students, faculty, and staff are encouraged to volunteer their time assisting at our food distribution events. Volunteers are needed to set up, sort produce, bag produce, organize food items, and provide food to students.

If you are interested in volunteering, please complete a volunteer form, which is available from the Volunteer Opportunities page (https://www.miracosta.edu/student-services/care/volunteer-opportunities.html) under "How to Get Involved,". For larger groups or programs that would like to volunteer, please contact us about signing up via care@miracosta.edu.

Donate

The MiraCosta Food Pantry and CARE Free Food & Resource Market events are a campus-wide collaboration sustained through Categorical Grant Funds and financial contributions from community, faculty, staff, and students.

We are happy to accept donations of hygiene items and shelf-stable food items at either our Oceanside Campus Food Pantry or Community Learning Center Food Pantry. You may bring the donations directly to a pantry staff member or let a pantry staff member know you would like assistance with bringing the donations in from your vehicle.

Student Support Programs & Services

If you would like to make a monetary donation, you may donate online at the link below or by check. Please address the check to "MiraCosta College Foundation" and write "100538_GF CARE Program" in the memo line. The check can be mailed to 1 Barnard Drive, M/S 12A Oceanside CA 92056. For more information or questions, contact care@miracosta.edu. Thank you for your generous support!

Food Services

Oceanside Campus

The Oceanside Campus food service, located on the upper level of the Student Center (Building 3400), is fully open for dining during the fall and spring semesters. The café offers breakfast, lunch, daily specials, and a variety of menu items Monday through Thursday from 7:30 a.m. to 4 p.m. and Friday from 7:30 a.m. to 2 p.m. Students can enjoy their meals in the dining room with an ocean view or in one of the patio areas. For more information, please visit the Cafeteria and Dining (https://www.miracosta.edu/student-services/student-life/miracosta-cafe-and-cardiff-reef.html) website.

The Oceanside Campus, San Elijo Campus and Community Learning Center have enhanced vending machines stocked with hot and cold beverages, candy, chips, and other foods.

Health Services

About Health Services

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

The student health fee, paid on enrollment, funds the operational expenses of Health Services. Most services are provided without any additional cost to the student. You can request an appointment through the Health Services webpage (https://www.miracosta.edu/student-services/health-services/).

Medical Services

Medical services include the following:

- Low-cost laboratory testing
- Low-cost prescriptions, prescription refills, and prescription assistance programs
- Tuberculosis clearance for employment and other programs
- Physical examination
- Health education, information, and referrals.

Mental Health Counseling

some common reasons to seek mental health counseling include the following:

- Generally overwhelmed with life
- Difficulties at school or work
- Stress and anxiety
- Depression
- Grief
- Difficulty with sleep
- Relationship challenges
- Substance abuse
- Concerns about eating
- Sexuality
- Gender identity
- Traumatic life experiences
- Pressure/trauma related to marginalization.

Clinical Case Management

Case management services can assist with the following:

- Housing/shelter
- Community support groups
- Treatment programs
- Basic needs resources
- Referrals to off-campus medical and mental health services
- Referrals/connection to long-term care providers.

Locations and Contact Information

- Oceanside Campus: Building 14, First Floor, Room 14114. Phone: 760.795.6675
- San Elijo Campus: Building 900, Room 917. Phone: 760.757.2121, ext. 7747
- Email: mccshs@miracosta.edu
- Social media: Facebook (https://www.facebook.com/MiraCosta-College-Student-Health-Services-146671405347084) Instagram (https://www.instagram.com/mcchealthservices/)

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 available as well as scholarships for students pursuing specific academic fields.

Please visit the Scholarship webpage (https://www.miracosta.edu/student-services/financial-aid/types-of-aid/scholarships/) or call 760.795.6751 for additional information.

School Relations/ Diversity Outreach

About School Relations/Diversity Outreach

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. The office 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 disproportionately impacted students who have not historically had access to college.
- Assist students with their transition into college by providing them with onboarding and admissions-related services.
- Establish partnerships and maintain positive relations with the administration, faculty, and staff of local K-12 schools and community groups.
- Represent and promote MiraCosta College to the community.
- Provide campus tours.

Office Locations

- Oceanside Campus: Building 14, First Floor, Room 14165. Phone: 760.795.6894
- San Elijo Campus: Student Center. Phone: 760.944.4449, ext. 7782

Student Ambassador Program

Student Ambassadors are MiraCosta students hired by the School Relations/Diversity Outreach Department to provide outreach services at K-12 schools and throughout the community.

Ambassadors serve as peer advisers to high school students in local schools, develop workshops for elementary and junior high school students, provide information at community events, lead campus tours, and perform a variety of other important duties for the college.

Ambassadors must be available to work 5 to 15 hours per week. To apply, please visit the Student Ambassador Application webpage (https://miracosta.edu/student-services/outreach-and-recruitment/student-ambassadors-application.html).

Student Accessibility Services (SAS)

About SAS

MiraCosta College is committed to ensuring that students with disabilities receive reasonable accommodations in instructional activities as mandated by federal and state law and by district policy.

Students seeking an academic accommodation due to a documented disability should contact Student Accessibility Services (SAS). Students must provide verifying documentation of their disability from a qualified professional, as determined by SAS.

SAS engages students in an interactive process to assess and document educational limitations and to determine reasonable academic accommodations.

Accommodations may include, but are not limited to, interpreters or real-time captioning for students who are deaf or hard of hearing; alternate format materials (such as Braille, large print, or e-text); exam accommodations, note-taking support; equipment loan, and priority enrollment for eligible students.

SAS provides a specialized computer lab at the main Oceanside campus, academic advising and learning strategies classes designed for students with disabilities. Learning Disability testing is available for students who qualify for this service. The Noncredit Program offers specialized noncredit classes for students with disabilities. All services are designed to help students participate fully in the regular college program.

SAS is available to meet with prospective, new, and continuing students attending the Oceanside Campus, San Elijo Campus, and Community Learning Center (CLC). For more information, please visit the SAS webpage (https://www.miracosta.edu/student-services/dsps/) or call 760.795.6658.

Student Accounts Office/Cashier

Student Accounts/ Cashiers Office

The Student Accounts/Cashier's Office processes all payments made to MiraCosta College including tuition and mandatory fees, parking citations, Student Activity Cards, MTS (PRONTO) passes, holds and fines.

For more information about the Student Accounts/Cashier Services, please visit the web site at MiraCosta College | About the Student Accounts Office (https://www.miracosta.edu/administrative/student-accounts-office/)

Services Offered

- Tuition and Fees (https://www.miracosta.edu/administrative/student-accounts-office/tuition-fees.html)

- Payment Information - Third Party Payments (https://www.miracosta.edu/administrative/student-accounts-office/payment-info.html)
- Refunding student payments (https://www.miracosta.edu/administrative/student-accounts-office/refund-policy.html)
- IRS Form 1098-T (https://www.miracosta.edu/administrative/student-accounts-office/1098t-information.html)
- Discounted PRONTO bus passes (https://www.miracosta.edu/administrative/student-accounts-office/pronto.html)
- Current and past-term payment plans (https://www.miracosta.edu/administrative/student-accounts-office/payment-plans.html)
- Past due accounts (https://www.miracosta.edu/administrative/student-accounts-office/payment-plans.html)

Payment Methods

The Student Accounts/ Cashier's Office accepts cash, checks, money orders, Visa, Master Card, and Discover Card for payment. Payment for tuition and fees may be made online through the student's SURF account (http://surf.miracosta.edu).

Locations and Contact Information

- Oceanside Campus: Building 14, First Floor, Room 14155. Phone: 760.795.6835
- San Elijo Campus: Administration Building. Phone: 760.634.7762

Student Life & Leadership

About Student Life & Leadership

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

- Support for the Associated Students of MiraCosta College, student clubs, and campus organizations.
- Campus social, recreational, leadership, cultural, and educational programming.
- The Student Leadership Conference.
- On-campus and virtual events and activities.
- Information, resources, and support, including information about free speech and literature distribution.

The Student Life & Leadership team is firmly committed to centering students in all of their work, addressing student needs, and actively promoting student involvement and development. For more information, please visit the Student Life & Leadership webpage (https://www.miracosta.edu/student-services/student-life/) or email Student Life & Leadership at SLL@miracosta.edu

Office Locations and Contact Information

- Oceanside Campus:
  - T100.
  - Phone: 760.795.6890.
  - Hours: Monday–Thursday 8 a.m. – 7 p.m.; Friday 8 a.m. – 3 p.m.
- San Elijo Campus:
  - Student Center, Room 929.
  - Phone: 760.757.2121 ext. 7823.
  - Hours: Monday–Thursday 8 a.m. – 4:30 p.m.; Friday 8 a.m. – 3 p.m.

Associated Students of MiraCosta College

All students are members of the Associated Students of MiraCosta College (ASMCC). The organization that represents the ASMCC is the Associated Student Government (ASG).

The goal of the ASG is to give a voice to all MiraCosta students, enabling them to become part of the college community, and advocating for the needs of students across the district. ASG's major responsibilities include the following:

- Appointing students to actively engage in campus-wide committees.
- Participating in shared governance to provide student-centered perspectives about the development of college policies.
- Adopting and overseeing the annual ASG budget.
- Allocating funds for student-centered projects and initiatives.
- Providing resources and support that foster student engagement throughout the college.

ASG meets the 2nd and 4th Friday of the month when classes are in session. These meetings are called Student Senate and are open to all community members.

Information about the ASG, its committees, and its workgroups is available on the ASG webpage (https://miracosta.edu/governance/associated-student-government/). ASG agendas, meeting minutes, and meeting information is available to the public on the Engage website (https://miracosta.campuslabs.com/engage). For more information, please call 760.795.6891 or email ASG@miracosta.edu.

Student Senate

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

The following elected officers comprise the Student Senate: president, student trustee, vice president of inclusion, diversity, equity, and accessibility, vice president of the San Elijo Campus, and vice president of the Community Learning Center, as well as the chair of the Inter-Club Council (ICC), who is elected through a separate election process through the ICC.

Appointed positions in the executive team include the executive vice president, director of finance, director of

public relations, director of legislative affairs, and the vice chair of the Inter-Club Council. The Student Senate is also composed of approximately 20 senators. Any interested student with a 2.0 grade point average or above and enrolled in at least five units each semester (summer not included); or enrolled in an adult education program offered by a community college district (Ed Code, Article 9, 84900 (https://leginfo.legislature.ca.gov/faces/codes_displayText.xhtml?lawCode=EDC&division=7.&title=3.&part=50.&chapter=5.&article=9.)); or is a disabled student, as defined in subdivision (b) of Section 84850 (https://leginfo.legislature.ca.gov/faces/codes_displayText.xhtml?lawCode=EDC&division=7.&title=3.&part=50.&chapter=5.&article=6.), is eligible to seek an ASG office.

Student Clubs and Campus Organizations

Joining a 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, hobbies, and passions 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 Rush" gives interested students an opportunity to learn about the various clubs on campus and allows clubs to increase their membership.

For the current list of active clubs, please visit Spartan Experience from the Engage website (https://miracosta.campuslabs.com/engage). Spartan Experience includes information on upcoming events, club contact information/meeting dates, and the latest club and event news.

Students who wish to start a club should submit a petition that includes a list of five credit students, a staff/faculty advisor, and a proposed constitution to Student Life & Leadership through the Engage website (https://miracosta.campuslabs.com/engage).

Spartan Pass ID Cards

The Spartan Pass 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.

Revenue from Spartan Pass ID Card sales is used to support the Associated Student Government (ASG). Additionally, the card may be used for off-campus discounts on technology, news and entertainment, health and fitness, merchandise, travel, insurance, and more!

For a full list of discounts and to learn how to obtain your Spartan Pass ID card, please visit the Student Life & Leadership webpage (https://miracosta.edu/student-services/student-life/id-cards.html).

Posting/Publicity Guidelines

Student Life & Leadership supports public postings across the district. The posting of flyers and posters is allowed on designated bulletin boards and campus spaces. Items can remain posted for two weeks to accommodate for space and ensure that postings are up-to-date.

More specific information on posting guidelines is available through Student Life & Leadership (https://miracosta.edu/student-services/student-life/free-speech.html).

Testing Services

About Testing Services

Testing Services supports students with completing the placement process at MiraCosta College. Additionally, Testing Services houses the Academic Proctoring Center (APC), a unique proctoring service for MiraCosta students as well as students from other institutions in need of a certified proctoring center.

Placement

MiraCosta College's placement process (https://miracosta.edu/student-services/testing-services/placement-faqs.html) uses multiple measures (high school GPA, math and English courses, and grades) along with intended major to provide students with information on the best math and English courses to get them on their way to achieving their educational goals.

Students provide their intended major and multiple measures information (high school GPA, coursework, and grades) during the application process. This information is utilized to generate an automated placement for math and English, which can be found within the SURF Student Center via the *Course Placement & Guidance* tile.

Students who do not provide their multiple measures information on the application can complete the placement process by doing any **one** of the following:

- Submitting an official or unofficial high school transcript to Testing Services.
- Completing the Multiple Measures Self-Report Update Form (https://na2.documents.adobe.com/public/esignWidget?wid=CBFCIBAA3AAABLblqZhCD5IWTgHukz1X4nL4Hezejgf6uO-trl6ySOrXscDgYZCclDp62gd4BnlRACTa6XKo).
- Completing a guided self-placement tool for English or ESL course placement.

English & ESL self-placement tools can be requested through Testing Services to be completed online or in-person at our three Testing Center locations.

Testing Services proctors the prerequisite challenge process for **Languages** (French, Italian, Spanish, or Japanese) and **Chemistry**. These challenge processes are offered via appointment at all three campus locations. More information on these challenges can be found on our website (https://miracosta.edu/student-services/testing-services/chemistry-challenge-exam.html).

Academic Proctoring Center

MiraCosta Testing's Academic Proctoring Center (https://miracosta.edu/student-services/testing-services/academic-proctoring-center/) (APC) provides on-ground proctoring

for students enrolled in online courses at MiraCosta that have an on-ground testing requirement, as noted in the class schedule. The APC works collaboratively with students, faculty, and outside organizations to help arrange exam proctoring for out-of-area MiraCosta students who need exams proctored at eligible sites across the world. Additionally, the APC provides instructor-authorized makeup exam services (https://miracosta.edu/student-services/testing-services/academic-proctoring-center/makeup-exam-support.html) for students who cannot make a scheduled exam for their on-ground or online class due to extenuating circumstances.

Testing accommodations are available to students referred by Student Accessibility Services (https://www.miracosta.edu/student-services/sas/). MiraCosta College serves as a test center for the PearsonVue GED test and, by individual arrangement, proctors external examinations for non-students and community members.

Please note: Physical photo identification is required for all testing in the APC.

Testing Center Locations and Contact Information

- Oceanside Campus, Building 14, Second Floor, Room 14215. Phone: 760.795.6685
- San Elijo Campus, Room 1114. Phone: 760.944.4449, ext. 7752
- Community Learning Center, Room 312. Phone: 760.757.2121, ext. 8841

California Equitable Placement Legislation

Research shows that students are more likely to complete transfer requirements in math and English when placed and enrolled directly in transfer-level coursework. Passed in 2017, Assembly Bill (AB) 705 requires California community colleges to maximize the probability that a student will enter and complete transfer-level coursework in English and math within a one-year timeframe. AB 1705 goes even further, aiming to close equity gaps by ensuring that students who plan on getting a degree, certificate, or transferring are placed directly into a transfer-level course that meets the requirement for a student's intended educational goal. AB 1705 mostly affects students whose educational goals require a calculus course.

More information about California placement legislation is available on the AB 705 webpage (https://miracosta.edu/student-services/testing-services/matriculation.html).

The Learning Centers (TLC)

About The Learning Centers

The Learning Centers (TLC) provide a variety of free academic support services to help students succeed at MiraCosta, including tutoring, writing feedback, and workshops. Course material, textbooks, laptops, calculators, anatomy models, and other resources are available for checkout use in TLC at the Oceanside and San Elijo Campuses.

Visit the TLC webpage (https://miracosta.edu/student-services/tlc/) for more information about services, to view drop-in hours for specific course support, to schedule an appointment, or to upload a paper for video feedback.

Locations and Contact Information

TLC is located inside the Learning Commons on each campus:

- Oceanside, Building 1200 (first floor)
- San Elijo, Building 100 (first floor)
- Community Learning Center, Building 100 (Room 148)
- Online in Zoom (visit the TLC webpage (https://miracosta.edu/student-services/tlc/) for the Zoom link)

Hours are posted on the TLC webpage (https://miracosta.edu/student-services/tlc/). The centers are closed for holidays and semester breaks.

Email: TLC@miracosta.edu

Phone: 760.795.6682

Services Offered

TLC offers a supportive environment where students can develop effective learning skills across multiple disciplines. Services include drop-in and appointment tutoring and writing feedback, embedded support, supplemental instruction (SI), test preparation, workshops, events, and video feedback for writing.

Academic Support & Innovation Center (ASIC)

Supports multiple disciplines, including accounting, art, business, counseling, CSIT, design, economics, music, psychology, and more.

STEM Learning Centers (STEMLC)

The Nordson Science, Technology, Engineering, and Math Learning Centers (STEMLC) support biology, biotechnology, chemistry, computer science, mathematics, statistics, physical science, physics, and most other STEM courses.

Writing Center (WC)

Supports all readers and writers at any stage of the process. Students can receive feedback on class papers, presentations, transfer or scholarship essays, multimedia projects, and creative writing, or learn strategies for approaching complex course readings.

Transfer Center

About the Transfer Center

The Transfer Center Team provides services that directly assist transfer students. We are here to help explore different school options, majors, and careers while creating comprehensive students education plans (CSEP) for your personal education goals. We guide you through the process and help you with the transfer applications.

Services

The Transfer Center counseling faculty are available for all students who wish to have an individual comprehensive student educational plan (CSEP) tailored to their educational career goals. In addition, the center provides counseling for special programs, such as CSU Transfer Success Pathway (TSP), UC Transfer Admission Guarantee (TAG) and UC Dual Admission (UCSA), UCSD UniversityLink, UCLA Transfer Alliance Program (TAP), the Honors Program, graduate school, and professional programs.

The Transfer Center Team is ready to help. Please see more detailed information on our website https://www.miracosta.edu/student-services/transfer-center/index.html (https://www.miracosta.edu/student-services/transfer-center/)

Contact Information

The Transfer Center is located on the Oceanside Campus in Building 14, Second Floor, Room 14260. We offer appointments at the Oceanside Campus, the San Elijo Campus, and online via Zoom. For more information, please visit the Transfer Center webpage (https://www.miracosta.edu/student-services/transfer-center/) or call 760.795.6880.

Veterans Services

About Veterans Services

Veterans Services, located in Building 14, First Floor, Room 14171 on the Oceanside Campus, provides a place for military affiliated students to find resources on VA educational benefits, MiraCosta Student Services, and community organizations that are dedicated to assisting veterans and their family members.

In addition, students can process paperwork and get their courses certified for GI Bill® benefits, including Montgomery and Post 9/11 GI Bill®, Veteran Readiness & Employment (formerly Vocational Rehabilitation) and Chapter 35 – Dependent Education Assistance.

The center also provides a place for students to relax, study, and meet with friends.

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

The Veterans Services team is committed to helping you achieve your academic goals. If we can provide additional information, please visit the office or Veterans Services webpage (https://www.miracosta.edu/student-services/veterans-services/) or call 760.795.6750.

Academic Programs & Services

Academic Awards

President's List

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

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

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

President's Permanent Honor Roll

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

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

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

Medal of Academic Merit

The Medal of Academic Merit is awarded each year to five students nominated by the faculty. Sponsored by the MiraCosta College Foundation (http://foundation.miracosta.edu/), it is the college's highest academic honor. Eligibility information may be obtained by contacting the Scholarship Coordinator at 760.757.2121 extension 6591. These students are acknowledged in the Commencement Program and receive a medal, and their MiraCosta College transcript is notated.

Latin Honors (Biomanufacturing Bachelor's Degree Program only)

A student with high academic achievement throughout their MiraCosta College baccalaureate career may graduate with Latin Honors. To be eligible, the student must be in good academic standing and have completed a minimum of 40 units of MiraCosta College baccalaureate (300-400 level) coursework.

Latin Honors will be determined based on the cumulative grade-point average calculated from all MiraCosta College baccalaureate (300-400 level) courses as follows:

- Summa Cum Laude: 3.85 and above
- Magna Cum Laude: 3.75 to 3.84
- Cum Laude: 3.50 to 3.74

Honors Program

About the Honors Program

The Honors Program provides students an opportunity for enriched academic experiences as well as engagement in an inclusive environment that promotes community and personal discovery.

Successful completion of program outcomes may give students in the Honors Program a competitive edge in consideration for transfer admission to some four-year colleges and universities.

Students interested in virtually every major can participate in the Honors Program while making progress toward graduation from MiraCosta College and transfer to a four-year institution. Honors students are guided by a Transfer Center counselor to establish an individualized education plan that best suits their particular educational and transfer goals.

Additionally, the Honors Program cultivates a heightened sense of community for its members by actively supporting social activities, learning groups, and cultural outings that build camaraderie and public service. The Honors Lounge, located in Building 30 at the Oceanside Campus, provides communal space for students to study, collaborate, and socialize.

Honors courses are designed to develop exceptional academic ability by providing challenging coursework through intensive instruction from outstanding faculty in small classes and individual contract experiences. These courses fulfill California General Education Transfer Curriculum (Cal-GETC) requirements and are offered every semester at both the Oceanside and San Elijo Campuses, as well as online.

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

Honors Program Transfer Partnerships

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

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

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

Honors Navigators

Honors students interested in leadership development may apply to become an Honors Navigator. Students carefully

selected for this role serve as peer mentors or project leaders and participate in outreach efforts for the Honors Program.

Current Honors Curriculum

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

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

ANTH C1001	Introduction to Biological Anthropology
ARTH 260H	History of Modern Art (Honors)
ENGL C1001H	Critical Thinking and Writing (Honors)
ENGL C1003H	Critical Thinking and Writing through Literature - Honors
ETHN 100H	Introduction to Ethnic Studies (Honors)
FILM 101H	Introduction to Film (Honors)
HIST 100H	World History to 1500 (Honors)
HIST 101H	World History Since 1500 (Honors)
HIST C1001H	United States History to 1877 - Honors
HIST C1002H	United States History since 1865 - Honors
LIBR 201H	Media & Information Literacy (Honors)
MATH C2210H	Calculus I: Early Transcendentals - Honors
OCEA 101H	Introduction to Oceanography (Honors)
PHIL 101H	Introduction to Philosophy: Knowledge and Reality (Honors)
PSYC 104H	Statistics for Behavioral Science (Honors)
PSYC C1000H	Introduction to Psychology (Honors)
RELG 101H	World Religions (Honors)
SOCI C1000H	Introduction to Sociology - Honors

Honors Contracts

Honors contracts extend an opportunity for individualized and intensive instruction in close communication between the student and their instructor. Honors contracts are available for many but not all courses, and students can pursue an honors contract in a course without being a member of the Honors Program. Students who are interested in pursuing an honors contract should ask their instructor whether contracts are available in their course. For more information, please visit the Honors Contracts webpage (https://www.miracosta.edu/student-services/honors-program/contracts.html).

Program Admission

Any student can join the Honors Program. MiraCosta College welcomes students who share a passion for learning to participate in our Honors Program activities and take honors coursework. There is no additional cost to join the Honors Program or enroll in honors coursework.

Steps to join the Honors Program are outlined on the Honors Program webpage (https://www.miracosta.edu/student-services/honors-program/). Students who wish to learn more about the Honors Program are encouraged to email the Honors Office (honors@miracosta.edu) for information.

Program Certifications

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

n/a = not applicable

* Up to two honors courses may be taken Pass/No Pass.
** Up to two honors courses from other colleges may be included in unit count.

International Students & Study Abroad

About the International Office

The International Office at MiraCosta College plays a pivotal role in the internationalization of the campus. It supports international students, administers study abroad programs, and promotes international cultural activities.

The International Office supports international students enrolled at MiraCosta College on an F-1 visa, as well as those participating in the full-time intensive English Language Institute (ELI) program offered through Community Services. The ELI program is authorized under federal law to enroll nonimmigrant students. International students holding an F-1 or M-1 visa should connect with the International Office and review the admission requirements outlined under Admissions (https://www.miracosta.edu/admissions-and-aid/international-students.html) before starting their educational journey at MiraCosta College.

For more information, please visit the International Office webpage (https://www.miracosta.edu/student-services/international-students/).

Study Abroad

The International Office supports international study programs. Study abroad options may include semester-long and summer programs. Study abroad at MiraCosta College offers only courses approved in accordance with Title 5 of the California

Code of Regulations and taught by community college faculty meeting the minimum qualifications for providing instruction.

For more information, please visit the Study Abroad webpage (https://www.miracosta.edu/student-services/study-abroad/).

Internship Studies Program

About Internship Studies

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

Requirements

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

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

- Attend two meetings with the instructor and supervisor at the work site during the semester.
- Work a minimum of 54 hours per unit, paid or unpaid.
- Develop and meet learning objectives, complete assignments, and document monthly hours worked.

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

For more information, please visit the Student Resources webpage (https://www.miracosta.edu/student-services/career-center/student-resources/), stop by the Career Center on the Oceanside Campus (Building 14, Second Floor, Room 14266), or call the Career Center at 760.795.6772.

Library

The MiraCosta College Library provides extensive services and resources for students, faculty, and staff across three campuses and online.

Visit the Library website (https://library.miracosta.edu/) for more information.

Library Services

- Research assistance available in person and by email, online chat, text, and phone.
- Library instruction customized to the needs of individual classes and groups.
- Online Library Science credit courses - LIBR 101, LIBR 201, LIBR 201H. UC/CSU transferable.
- Laptops and hotspots available for semester-long checkouts.
- Group study rooms for students.
- Instructional exhibits and displays of student projects.

Library Resources

- Many required course textbooks available for short-term use.
- Access to physical library resources, such as books and DVDs.
- Access to magazines, newspapers, scholarly journals, ebooks, and films through online databases. Content covers a variety of disciplines and coursework.
- Remote access for students, staff, and faculty to all library databases (requires SURF ID and password).
- Interlibrary loan for books and periodical articles.
- Reciprocal borrowing privileges with the Palomar College and Cal State San Marcos libraries.

Library Locations and Contact Information

The MiraCosta College Library has three campus locations:

- Oceanside Campus, Building 1200. Phone: 760.795.6715
- San Elijo Campus, Building 100. Phone: 760.634.7850
- Community Learning Center, Learning Commons, Building 100. Phone: 760.795.8733

View the Library building hours (https://library.miracosta.edu/hours)

The libraries are closed on legal or administrative holidays and during semester breaks.

Mana

About the Mana Program

Mana creates a supportive community for Native Hawaiian and Pacific Islander students while providing essential resources for academic success. Students have the option to take courses together as a cohort, building meaningful connections with classmates and instructors that enhance the learning experience. The program offers dedicated academic and financial aid support, university visits, and leadership opportunities both on and off campus. Through Mana, students gain access to a network that values their cultural heritage while supporting their educational journey. For more information, visit the Mana website (https://miracosta.edu/student-services/student-equity/mana/).

MESA Program

About MESA

The Mathematics, Engineering, Science Achievement (MESA) Program provides the support you need to successfully graduate and competitively transfer to a 4-year institution.

MESA is an equity-focused program supporting students in underserved and underrepresented communities to achieve success in calculus-based STEM degrees. You join a cohort of students with a similar journey and experience, building a community of encouragement and support together.

Our program provides support in areas like academic counseling, STEM tutoring, and a dedicated MESA Center for all MESA Scholars. Additionally, our students benefit from unique experiences, such as STEM-focused conferences, internship opportunities, and hands-on learning through peer-led 3-D design projects. The MESA Program's goal is to support students as they become competitive, transfer-ready scholars. We hope you consider joining this dynamic program.

Stop by The MESA Center on the first floor of the Learning Commons on the Oceanside Campus to find out more.

MESA Eligibility Requirements

Students who would like to be considered for MESA program participation must meet the following requirements:

- Be a first generation college student (this means your parent or guardian does not have a BA or BS degree).
- Intend to transfer to a 4-year institution.
- Be declared in a calculus-based math, engineering, or science field.
- Have no previous bachelor's degree in any field.
- Demonstrate financial need, such as qualifying for a PELL grant, Cal Grant, GI Bill, Federal Work Study, Cal Fresh, or other need-based aid.

For more information, please visit the MESA Program webpage (http://www.miracosta.edu/mesa) or email us at MESA@miracosta.edu.

Online Education

About Online Education

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

- Fully online classes at MiraCosta require all coursework and activities to be completed online. Classes offered *100 percent online* have no face-to-face requirements. Some of these classes have no scheduled online meetings and are listed in SURF with a room location of **Online**. Other classes may include scheduled online meetings and will be listed in SURF with the days and times of meetings, with a room location of **Zoom**.
- *Hybrid* classes at MiraCosta require both in-person and online activity. Some hybrid classes require regular meetings at a MiraCosta College campus while others require physical presence only for proctored exams.
- *HyFlex* classes at MiraCosta give students a choice with each class meeting of attending on campus or online via Zoom.

Online classes comprise equivalent content and satisfy the same academic requirements as their on-campus counterparts. For a schedule that shows all fully online and hybrid course sections being taught at MiraCosta, as well as a list of programs available online, please visit the Online Education webpage (https://www.miracosta.edu/academics/online-education/).

Online Support Services

The college provides a wide range of free online support services to assist all students, including online counseling and advising (https://www.miracosta.edu/student-services/counseling/online-counseling-services.html), online tutoring and writing feedback through The Learning Centers (https://www.miracosta.edu/student-services/tlc/), live chats (https://library.miracosta.edu/home) with college librarians, and technical support through the ITS Help Desk (https://www.miracosta.edu/its/its-help-desk.html).

The college provides many one-hour Student Online Academic Readiness workshops each semester. Students can find links to all of these resources on the Online Education webpage (https://www.miracosta.edu/academics/online-education/).

Phi Theta Kappa Honor Society

About PTK

The Phi Theta Kappa (PTK) Honor Society was established in 1918 to acknowledge and promote the academic achievements of two-year college students. PTK is the oldest and most prestigious honor society with 1,300 chapters on college campuses in all 50 of the United States, US territorial possessions, and 11 sovereign nations.

Membership in PTK provides opportunities for individual growth and development through participation in honors, leadership, service, and fellowship programming. The society is constantly growing, and approximately 130,000 students are inducted annually and more than 3.8 million students have been inducted since its founding in 1918.

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

The privilege of wearing the honors stole and tassel at graduation, a myriad of scholarships, the opportunity to travel to academic conferences throughout the year, and the honor of becoming an alumni member after graduation are among the benefits of PTK membership.

Transcripts sent to four-year institutions will identify the student as a member of PTK.

Additionally, the Phi Theta Kappa Foundation awards $1.5 million in scholarships to members each year, and four-year college partners now offer $250 million in transfer scholarships exclusively for Phi Theta Kappa members.

Qualifications

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

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

For more information, please visit the Phi Theta Kappa webpage (https://www.miracosta.edu/student-services/student-life/phi-theta-kappa/) or call 760.757.2121, ext. 6890

Puente Program

Through counseling, writing, and mentoring, Puente prepares students to transfer to four-year colleges and universities and return to the community as leaders.

The year-long program includes writing instruction, one-on-one work with a counselor to develop an educational plan, and educational and cultural enrichment activities.

Puentistas enroll in designated sections of English and counseling. Puente scholars remain fully supported by the program until they successfully transfer to a four-year university or college.

To learn more, please visit the Puente website (https://www.miracosta.edu/student-services/student-equity/puente-project/) or email mccpuente@miracosta.edu.

RAFFY: Resources and Assistance for Former Foster Youth

About RAFFY

MiraCosta College's Resources and Assistance for Former Foster Youth (RAFFY) program is a powerful counseling and networking program designed to assist students who have aged out of the foster care system.

The program features specialized academic advising, personal counseling, social services referrals, financial assistance, and mentoring. Every six months, the RAFFY program produces graduates who have earned a certificate of achievement or associate degree or satisfied the requirements to transfer to a university.

Students who have experienced life in a foster home or group home often need extra support and resources to ensure they succeed in college. Involvement with the RAFFY program can greatly increase a student's success throughout their educational journey.

Additionally, RAFFY students who meet certain criteria may be eligible for additional academic and financial aid services via the NextUp program under Extended Opportunity Programs and Services (EOPS). To learn more about the NextUp program, please visit the EOPS webpage. (https://miracosta.edu/student-services/eops/)

To learn more about the RAFFY program, please visit the RAFFY webpage (https://miracosta.edu/student-services/student-equity/raffy.html).

Service Learning & Volunteer Programs

About Service Learning

Service learning is a form of experiential education that partners academic instruction with community service. Students learn through participation in thoughtfully organized service activities that are course-relevant and meet actual community needs. Each year, more than 100 students at MiraCosta College participate in service learning as either an option or a requirement for classes. Students are placed in non-profit organizations and public schools where they provide a variety of support services. These partnerships allow students to apply course concepts in real-world settings while making valuable community contributions. Opportunities include and are not limited to youth programs, environmental conservation efforts, programs that address the unhoused, hunger, senior services, child development programs, social services organizations, museums and arts programs, after-school programs, and literacy programs as well as activities within K-12 grade public schools and non-profit organizations.

What Students Gain

Through these community placements, students incorporate classroom knowledge to everyday situations and real problems. We encourage students to mention their service learning experiences when applying for scholarships or completing transfer applications, professional portfolios, or resumes.

Students who participate in service enhance their civic awareness of the value and power of their voice. Students report that these experiences affirm their career paths, provide job opportunities, and increase their cultural and social capital. Students who are pursuing careers in education, public health/nutrition, the non-profit sector, social work, government, law, social justice, or any service-minded career should consider taking courses with instructors who offer service learning. Students may earn a certificate of participation in Service Learning when they complete 15 hours at one site for one course.

Volunteer Program

Students who are not enrolled in service learning courses may participate in the Volunteer Program, a co-curricular opportunity for students to engage in their campus and local community through civic engagement.

Clubs and Associated Student Government are also great ways to earn volunteer hours. Students may earn certificates of volunteerism, also known as service awards. Both service learning and volunteer opportunities are outstanding ways to integrate cultural knowledge for career paths and learn about social issues, resources, and equitable practices. These experiences may be applied to the student's resume as well as transfer and scholarship applications.

Students may earn two certificates of participation: MiraCosta Volunteer Service Award (50-99 hours) or MiraCosta Presidential Service Award (100+ hours). For additional one-time volunteer opportunities, please visit the Service Learning webpage (https://www.miracosta.edu/student-services/service-learning/).

Service Learning and Volunteer Program Benefits

- Apply course content through practical, real-world experiences
- Practice critical thinking and reflection for personal growth and development
- Expand cultural capital and appreciation for diverse perspectives
- Include these experiences to resume, transfer applications, and scholarships
- Deepen social capital and awareness of your community and its resources
- Explore and confirm career paths, and network with community professionals and field experts
- Experience ethical reasoning, civic engagement, democracy, and action

Contact Information

The Service Learning & Volunteer Center is located on the Oceanside Campus in the Student Services Building (Building 14), Room 14107. Office hours are Monday through Thursday, 8 a.m. to 4:30 p.m. and Friday, 8 a.m. to 3 p.m. Evening appointments are available by request.

For more information about Service Learning & Volunteer Center programs and services, students should visit the Service Learning webpage (https://www.miracosta.edu/student-services/service-learning/), email servicelearning@miracosta.edu, or call 760.795.6616. All calls and emails are returned within 24-to-48 hours.

Transitions

About Transitions Scholars

The MiraCosta College Transitions Scholars program provides support for students who were formerly incarcerated. Students are provided with supportive resources to achieve personal and professional goals.

Program Resources

- Counseling in academic, career, and personal areas, including educational planning.
- Professional growth workshops
- Personal referrals to student services offered on campus and in the wider community
- Tours to university campuses for transfer
- Field trips to sites and events offering professional development and networking
- Leadership opportunities, such as regional, statewide & national conferences

For more information, please visit the Transitions webpage (https://www.miracosta.edu/student-services/student-equity/transitions/).

Umoja Community

About Umoja

Umoja, a Kiswahili word meaning unity, is committed to enhancing the cultural and educational experiences and increasing the persistence and retention rates of Black/African American and other students.

The MiraCosta College Umoja Community actively serves and promotes success for all students through a curriculum responsive to the legacy of the African and African American Diasporas. The Umoja Community seeks to educate the whole student: mind, body, and spirit. Informed by an ethic of love and its vital power, Umoja deliberately engages students as full participants in the construction of knowledge and critical thought.

Students in the program receive career, academic, and personal counseling, and they experience curriculum and teaching practices that serve to empower.

For more information, please visit the Umoja webpage (https://www.miracosta.edu/student-services/student-equity/umoja-summer-bridge/umoja.html).

UPRISE

About UPRISE

MiraCosta College works to make sure all students feel welcomed and have the tools they need to succeed, regardless of immigration status. UPRISE strives to make sure undocumented and mixed-status students at MiraCosta College feel safe and supported by providing access to immigration legal services, offering academic and mental health counseling, and connecting students to financial and academic resources.
MiraCosta College will not release any personally identifiable student information, including any data related to immigration status, without a judicial warrant, subpoena or court order, unless authorized by the student or required by law. For more

information visit, please visit the UPRISE webpage (https://miracosta.edu/student-services/student-equity/uprise/).

Work Experience Education

About Work Experience Education

Work experience education courses 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 Work Experience Education courses, which are the courses numbered 299 in a variety of career education disciplines and are custom-created, depending upon the student's job and weekly hours.
- Students who are undecided about their major or who are working in a field unrelated to their major should enroll in the General Work Experience Education course, WKEX 233 (p. 346).

Both types of work experience education courses help students learn how to achieve the knowledge, skills, and abilities they need for career success.

Requirements

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

- Attend two meetings with the instructor and supervisor at the student's work site during the semester.
- Work a minimum of 54 hours per unit, paid or unpaid.
- Develop and meet learning objectives, complete assignments, and document monthly hours worked.

Specific information about work experience education is available from the Career Center on the Oceanside Campus (Building 14, Second Floor, Room 14266) and its Resources for Students webpage (https://www.miracosta.edu/student-services/career-center/student-resources/).

Degrees & Certificates

Instructional Services

About Instructional Services

Instructional Services, located on the Oceanside Campus in Building 1000, is responsible for the administration of the various educational programs offered by MiraCosta College.

With the assistance of department chairs, deans, and faculty, the college's instructional programs are proposed, developed, and implemented for the primary purpose of providing opportunities for students to reach their desired educational goals. Such goals include earning degrees, certificates of achievement and proficiency in many career education areas, and diplomas and certificates in the noncredit program for adults seeking to finish basic or high school education. Instructional Services also provides leadership over fee-based educational offerings through Community Education and Workforce Development.

For more information, please visit the Office of Instruction webpage (https://www.miracosta.edu/academics/office-of-instruction/) or call 760.795.6812.

Degree & Certificate Programs

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Accounting (ACCT) (https://catalog.miracosta.edu/disciplines/accounting/)		✹	🎓	
Accounting Assistant	★			
Bookkeeping		✹	🎓	
Computerized Accounting Applications	★			
Income Tax Preparer	★			
Income Tax Professional	★			
Payroll Professional	★			
Professional Accounting: Preparing for the CPA Exam		✹		
Administration of Justice (ADM) (p. 103)				
Administration of Justice for Transfer			🎓	
Law Enforcement		✹	🎓	
Anthropology (ANTH) (p. 107)				
Anthropology for Transfer			🎓	
Global Health		✹		
Art (ART) (p. 110)				
Art History for Transfer			🎓	
Digital Photography		✹	🎓	
Museum Studies		✹		
Studio Arts for Transfer			🎓	
Automotive Technology (AUTO) (p. 126)		✹	🎓	
Automotive Alignment, Brakes, and Suspension	★			
Automotive Electronics	★			
Automotive Electronics, Computers, and Emissions and/or HVAC		✹		
Automotive Quick Service Assistant	★			
Automotive Repair: Drive-Train Specialist	★			
Automotive/Motorcycle Maintenance and Light Repair		✹		
Basic Engine Performance	★			
California Smog Check Technician		✹		
Electric Vehicle, Hybrid Vehicle, and Engine Performance	★			
Electric, Hybrid, and Alternative-Fuel Vehicle Technician		✹		
Master Technician		✹		
Biology (BIO) (p. 132)				
Biology for Transfer			🎓	

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Biotechnology (BTEC) (p. 136)				
Biomanufacturing		✹	🎓	🏛
Bioprocess Technology		✹		
Laboratory Skills		✹		
Research and Development		✹	🎓	
Business Administration (BUS) (p. 145)	★			
Business Administration 2.0 for Transfer			🎓	
Business Fundamentals	★			
Business Quick Startup	★			
Entrepreneurship		✹	🎓	
Entrepreneurship Fundamentals	★			
Management		✹	🎓	
Marketing		✹	🎓	
Project Management	★			
Retail Management		✹	🎓	
Social Entrepreneurship	★			
Social Media for Business		✹		
Supply Chain Management (SCM)		✹	🎓	
California General Education Transfer Curriculum (Cal-GETC)) (https://nextcatalog.miracosta.edu/degreecertificatetransferinfo/generaleducationplans/planc/)		✹		
Child Development (CDEV) (p. 157)				
Child Development Assistant Teacher	★			
Child Development Associate Teacher		✹	🎓	
Child Development Master Teacher		✹	🎓	
Child Development Site Supervisor		✹	🎓	
Child Development Teacher		✹	🎓	
Child and Adolescent Development for Transfer			🎓	
Early Childhood Education for Transfer			🎓	
Early Intervention and Inclusion		✹		
Family Child Care Entrepreneur		✹		
Communication (COMM) (p. 166)				
Communication Studies 2.0 for Transfer			🎓	
Computer Science (CS) (p. 169)				
Computer Science for Transfer			🎓	
Game Developer	★			

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Mobile Application Development	★			
Software Development		✹	🎓	
Computer Studies & Information Technology (CSIT) (p. 174)				
Administrative Assistant	★			
Artificial Intelligence		✹	🎓	
CompTIA IT Core Essentials	★			
Computer Application Essentials	★			
Computer Applications		✹	🎓	
Cybersecurity		✹	🎓	
Emerging Technologies	★			
Executive Administrative Professional		✹	🎓	
Information Technology		✹	🎓	
Internet and E-Commerce		✹	🎓	
Management Information Systems (MIS)		✹	🎓	
Microsoft Office Expert	★			
Systems Administration		✹	🎓	
Tech Support		✹	🎓	
Dance (DNCE) (p. 186)			🎓	
Dance Instructor		✹		
Design (DESN) (p. 196)				
3D Modeling and Prototyping	★			
Applied Design	★			
Architectural Design		✹	🎓	
AutoCAD Certified User	★			
Computer-Aided Drafting		✹	🎓	
Computer-Aided Drafting and Design		✹	🎓	
Drafting Fundamentals	★			
Engineering Design Graphics	★			
Engineering Technology		✹	🎓	
Mechanical Design		✹	🎓	
SolidWorks Certified User	★			
Dramatic Arts (DRAM) (p. 204)			🎓	
Design and Technology		✹	🎓	
Theatre Arts for Transfer			🎓	
English (ENGL) (p. 213)				
English for Transfer			🎓	
Film (FILM) (p. 219)				
Film, Television, and Electronic Media for Transfer			🎓	
French (FREN) (p. 221)		✹	🎓	
Geography (GEOG) (p. 223)				
Geography for Transfer			🎓	
Gerontology (GERO) (p. 227)			🎓	
Optimal Aging and Older Adulthood	★			

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Health (HEAL) (p. 229)				
Public Health for Transfer			🎓	
History (HIST) (p. 232)				
History for Transfer			🎓	
Horticulture (HORT) (p. 236)				
Irrigation Technology	★			
Landscape Architecture		✹	🎓	
Nursery/Horticulture Crop Production		✹	🎓	
Pest Control Advisor		✹	🎓	
Sustainable Agriculture		✹	🎓	
Sustainable Landscape and Turf Management		✹	🎓	
Viticulture and Enology		✹	🎓	
Hospitality (HOSP) (p. 242)				
Food, Beverage, and Restaurant	★			
Guest Services and Concierge	★			
Hospitality Management		✹	🎓	
Hospitality Management for Transfer			🎓	
Meeting, Convention, and Event Management	★			
Restaurant Management		✹	🎓	
Interdisciplinary Studies (INTR)				
Global Studies		✹		
Italian (ITAL) (p. 247)			🎓	
Italian Language and Culture		✹		
Japanese (JAPN) (p. 250)		✹	🎓	
Kinesiology (KINE) (p. 253)				
Personal Fitness Trainer	★			
Yoga Instructor (200 Hours)	★			
Yoga Instructor (300 Hours)		✹		
Liberal Arts (p. 258)				
Liberal Arts: Arts and Humanities			🎓	
Liberal Arts: Business and Technology			🎓	
Liberal Arts: Creative and Applied Arts			🎓	
Liberal Arts: Health Sciences			🎓	
Liberal Arts: Mathematics and Sciences			🎓	
Liberal Arts: Multicultural Studies			🎓	
Liberal Arts: Social and Behavioral Sciences			🎓	
Mathematics (MATH) (p. 274)				
Data Science			🎓	
Mathematics for Transfer 2.0			🎓	
Media Arts & Technologies (MAT) (p. 280)				
Digital Imaging and Illustration	★			

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Digital Media Foundations	★			
Digital and Print Publishing	★			
Graphic Communication	★			
Graphic Design		✹	🎓	
UI/UX Design	★			
Video and Animation	★			
Video and Media Design		✹		
Web Design	★			
Web Development and Design		✹	🎓	
Medical Administrative Professional (MAP) (p. 288)				
Medical Assistant		✹		
Medical Insurance and Coding Specialist	★			
Medical Office Professional		✹	🎓	
Medical Office Specialist	★			
Patient Care Coordinator		✹		
Music (MUS) (p. 291)			🎓	
Music Technology (MTEC) (p. 303)	★	✹	🎓	
Business of Music and Media		✹		
Nursing (NURS) (p. 307)				
Certified Nursing Assistant	★			
Home Health Aide	★			
Licensed Vocational Nursing		✹	🎓	
Registered Nursing: Track I: Generic ADN			🎓	
Registered Nursing: Track II: LVN-to-RN (ADN)			🎓	
Nutrition (NUTR) (p. 316)				
Fitness Nutrition Specialist	★			
Nutrition and Dietetics for Transfer			🎓	
Physical Science (PHSN) (p. 321)				
Sustainability Studies		✹		
Political Science (PLSC)				
Law, Public Policy, and Society for Transfer			🎓	
Political Science for Transfer			🎓	
Psychology (PSYC) (p. 327)			🎓	
Human Development			🎓	
Psychology for Transfer			🎓	
Research Fundamentals	★			
Volunteer Services	★			
Sociology (SOCI) (p. 336)				
Research Fundamentals	★			
Social Justice Studies for Transfer: African American Studies			🎓	
Social Justice Studies for Transfer: Chicana and Chicano Studies			🎓	

Major Area	Certificate of Proficiency	Certificate of Achievement	Associate Degree	Bachelor's Degree
Social Justice Studies for Transfer: Gender Studies			🎓	
Social Justice Studies for Transfer: LGBTQ			🎓	
Sociology for Transfer			🎓	
Volunteer Services	★			
Social Work and Human Services (SWHS) (p. 334)				
Social Work and Human Services for Transfer			🎓	
Spanish (SPAN) (p. 343)		✹		
Spanish for Transfer			🎓	

Associate Degree Requirements

The associate degree at MiraCosta College provides a framework within which students complete patterns of learning experiences designed to develop capabilities and insights to support their academic and career goals. Among these capabilities and insights are competencies that comprise a general education curriculum. These competencies include the ability

- to think critically and communicate clearly and effectively both orally and in writing,
- to locate, evaluate, and use needed information effectively,
- to engage with diverse perspectives,
- to use quantitative reasoning,
- to understand the modes of inquiry of the major disciplines,
- to be aware of other cultures and times,
- to achieve insights gained through experience in thinking about ethical problems, and
- to develop the capacity for self-understanding.

In addition to these competencies, students graduating with an associate degree will possess sufficient depth in some field of knowledge to contribute to lifetime interest and career pursuit.

The associate degree is designed to prepare students for either immediate employment or transfer to a four-year college or university. Although the associate degree recognizes the completion of lower-division course requirements, it does not guarantee admission to a four-year college or university.

The academic and career education disciplines for which MiraCosta offers an associate degree are identified on the Degree & Certificate Programs table (p. 67).

Coursework Requirements

The district confers the associate degree upon students who have completed 60 semester units of degree-applicable lower-division courses, including a minimum of 18 semester units of focused study in a major or interdisciplinary area of emphasis and a minimum of 21 semester units of general education.

General Education

General education introduces students to the variety of means through which people comprehend the modern world by providing opportunities for students to engage with the arts and humanities, sciences, mathematics, and social sciences. It ensures students who receive their degrees have mastered principles, concepts, and methodologies both unique to and shared by the various disciplines.

Students have two general education patterns from which to choose but are strongly encouraged to consult with a MiraCosta College counselor for assistance in selecting the general education pattern that is most appropriate for their educational goal.

- MiraCosta College General Education (MCGE) (p. 75).
- California General Education Transfer Curriculum (Cal-GETC) (p. 79).*

Although a course may fulfill multiple general education requirements, it can only be applied to one area. A course may be used to satisfy both a general education requirement and a major or area of emphasis requirement.

Students who have been awarded a bachelor's degree from an institution accredited by an agency recognized by the U.S. Secretary of Education shall be deemed to have fulfilled the general education course requirement for the associate degree. Additionally, the MCGE requirement may be met by submitting a transcript verifying completion of an associate degree at an institution accredited by an agency recognized by the U.S. Secretary of Education (https://www.ed.gov/laws-and-policy/higher-education-laws-and-policy/college-accreditation/college-accreditation-united-states/college-accreditation-in-the-united-states–pg-3#RegionalInstitutional).

**Students should refer to the* Articulation *(*https://www.miracosta.edu/student-services/articulation/*) or* Transfer Center *(*https://www.miracosta.edu/student-services/transfer-center/*) webpages for the most current list of courses that have been approved for the Cal-GETC general education pattern.*

Graduation Requirements

Students who wish to earn an associate degree from MiraCosta College must satisfy the following additional graduation requirements.

Grades

Complete the requirements for the associate degree with a minimum cumulative grade point average of 2.0 in the degree-applicable courses and a minimum grade of "C" or "P" in each course counted toward the major or area of emphasis. Courses completed with a C- at institutions accredited by an agency recognized by the U.S. Secretary of Education may be used to satisfy this requirement. *Note: Students may need a higher GPA for admission to a University of California campus or to UC/CSU impacted programs and majors than is required for MiraCosta's associate degree.*

Residency

Complete a minimum of 12 degree-applicable units in residence within the MiraCosta Community College District.

Multiple Degrees

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

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

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

Note: Students shall only be awarded one Liberal Arts degree, with an Area of Emphasis of their choice.

(Source: MCCD Administrative Procedure 4100.)

Associate Degree for Transfer Requirements

The Associate Degree for Transfer (ADT) provides students with a clear pathway to a California State University (CSU) major and baccalaureate degree. Students who wish to earn an Associate in Science for Transfer (AS-T) or Associate in Arts for Transfer (AA-T) from MiraCosta College must meet the following requirements:

- Complete a minimum of 60 CSU-transferable semester units.
- Complete a minimum of 18 units in an approved ADT major.
- Complete all courses required in the major with a "C" or better or a "P" if the course is taken on a "pass/no pass" basis. Courses completed with a C- at institutions accredited by a U. S. regionally accredited institution may be used to complete this requirement.
- Complete the California General Education Transfer Curriculum (Cal-GETC) pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence within the MiraCosta Community College District.

Transfer Guarantee

California community college students who are awarded an ADT are guaranteed priority admission with junior status to a participating CSU campus and given priority admission to their local CSU campus. MiraCosta students earning an ADT or completing traditional admission requirements have local priority admission to California State University San Marcos. However, priority admission does not guarantee admission to a specific major.

Participating CSU campuses determine that the degree awarded by MiraCosta is similar to a degree that can be awarded at that campus. This may include an emphasis or option within the degree or another degree program. Once admitted, students are required to complete only 60 additional prescribed units to qualify for a similar baccalaureate degree. Students are encouraged to consult with a MiraCosta counselor to determine which CSU campuses are participating in this program and which degrees are considered similar on those campuses.

The ADT also guarantees students admission as juniors to many other participating colleges and universities, including select Historically Black Colleges and Universities (HBCUs) and over thirty independent, nonprofit universities in California. For a complete list of participating four-year universities, please visit the California Community Colleges Associate Degree for Transfer website (https://icangotocollege.com/associate-degree-for-transfer).

MiraCosta reviews courses completed at other accredited institutions for placement on an ADT based on existing C-ID numbers and/or course comparability to the transfer model curriculum template developed by the California Community Colleges Chancellor's Office.

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

Associate Degree for Transfer Majors

MiraCosta College offers the following ADT majors:

- Administration of Justice (p. 103)
- Anthropology (p. 107)
- Art History (p. 110)
- Biology (p. 133)
- Business Administration 2.0 (p. 146)
- Child and Adolescent Development (p. 158)
- Communication Studies 2.0 (p. 167)
- Computer Science (p. 170)
- Early Childhood Education (p. 158)
- English (p. 214)
- Film, Television, and Electronic Media (p. 219)
- Geography (p. 224)
- History (p. 232)
- Hospitality Management (p. 242)
- Law, Public Policy, and Society (p. 324)
- Mathematics 2.0 (p. 274)
- Nutrition and Dietetics (p. 316)
- Political Science (p. 324)
- Psychology (p. 327)
- Public Health (p. 230)
- Social Justice Studies: African American Studies (p. 336)
- Social Justice Studies: Chicana and Chicano Studies (p. 336)
- Social Justice Studies: Gender Studies (p. 336)
- Social Justice Studies: LGBTQ Studies (p. 336)
- Social Work and Human Services (p. 335)
- Sociology (p. 336)
- Spanish (p. 343)
- Studio Arts (p. 110)
- Theatre Arts (p. 204)

Bachelor's Degree Requirements

About the Bachelor's Degree

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.

The baccalaureate program provides a framework within which students complete patterns of learning experiences designed to develop progressively higher-level capabilities and insights to support their academic and career goals. Among these capabilities and insights are skills and competencies that comprise a general education curriculum.

Students graduating with a baccalaureate degree also possess sufficient depth in the field of applied biomanufacturing to contribute to entry-level career positions within the region. This depth is provided through the completion of 24 lower-division and 34 upper-division semester units in the major.

Information about the program, including eligibility requirements, the application process, and upper-division tuition, is available under the Biotechnology Area of Study (p. 137).

MCGE

MiraCosta College General Education (MCGE) Requirements 2026-2027

The MCGE pattern 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 1—English Composition, Oral Communication, & Critical Thinking

1A. English Composition

A minimum of 3 semester units is required.

ENGL C1000	Academic Reading and Writing	4

1B. Oral Communication and Critical Thinking

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

COMM C1000	Introduction to Public Speaking	3
COMM C1004	Interpersonal Communication	3
COMM 106	Group Communication	3
COMM 212	Argumentation	3
ENGL C1001	Critical Thinking and Writing	4
ENGL C1001H	Critical Thinking and Writing (Honors)	4
ENGL C1003	Critical Thinking and Writing through Literature	4
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4
PHIL 100	Critical Thinking and Argumentative Writing	3
PHIL 110	Introduction to Logic	3
READ 100	Critical Reading and Thinking	3

Area 2—Mathematical Concepts and Quantitative Reasoning

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

BTEC 180	Biostatistics	4
BUS 147	Personal Finance	3
BUS 204	Business Statistics	3
CSIT 123	Introduction to Data Analytics	3
MATH C2210	Calculus I: Early Transcendentals	5
MATH C2210E	Calculus I: Early Transcendentals - Embedded Support	7
MATH C2210H	Calculus I: Early Transcendentals - Honors	5
MATH C2220	Calculus II: Early Transcendentals	4
MATH 102	Math Fundamentals: Mathematics for Life	3
MATH 102A	Mathematics for Life	3
MATH 110	Principles of Data Science	4
MATH 112	Algebraic Concepts for Problem Solving	4
MATH 115	Calculus with Applications	5
MATH 126	Pre-Calculus I: College Algebra	4
MATH 126S	Pre-Calculus I: College Algebra with Integrated Support	5
MATH 131	Pre-Calculus II: Trigonometry and Analytic Geometry	4
MATH 135	Precalculus Mathematics	6
MATH 210	Mathematical Concepts and Structures for Teachers I: Number Systems and Number Sense	4
MATH 212	Mathematical Concepts and Structures for Teachers II: Algebra, Geometry, Measurement, and Reasoning	4
MATH 260	Calculus and Analytic Geometry III	4
NURS 201	Pharmacology Essentials for Nursing Practice	3
PSYC 104	Statistics for Behavioral Science	4
PSYC 104H	Statistics for Behavioral Science (Honors)	4
SOCI 125	Introduction to Statistics in Sociology	4
STAT C1000	Introduction to Statistics	4
STAT C1000E	Introduction to Statistics (Embedded Support)	5
STAT C1000H	Introduction to Statistics (Honors)	4

Area 3—Arts and Humanities

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

- An awareness of how people throughout the ages and in different cultures respond to themselves and the world around them in artistic and cultural creation.
- Aesthetic understandings.
- An ability to make value judgments.

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

ANTH 135	Magic, Witchcraft, and Religion	3
ART 100	Drawing and Composition	3
ART 101	Design and Color	3
ART 103	3D Design	3
ART 104	Artists & Designers Now	3
ART 201	Objects and Ideas in Contemporary 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 290	Landmarks of Art	3
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
ARTH 157	Art Orientation	3
ARTH 158	Indigenous Arts of Africa, Oceania, and the Americas	3
ARTH 159	Indigenous Arts of Central and South America	3
ARTH 260	History of Modern Art	3
ARTH 260H	History of Modern Art (Honors)	3
AUTO 110	History of the Automobile	3
BLST 100	Introduction to Black Studies	3
CCS 100	Introduction to Chicana/o Studies	3
CCS 232	Critical Issues in Chicana and Latina Studies	3
COMM 111	Narrative Performance	3
COMM 215	Intercultural Communication	3
DESN 107	History of Western Architecture-A Sustainable Perspective	3
DESN 108	World Architecture	3
DNCE 100	Dance Appreciation	3
DNCE 101	Dance History	3
DNCE 102	Introduction to Mexican Folkloric Dance: History, Culture, and Performance	3
DNCE 104	Dance on Film	3
DNCE 105	Dance Cultures of the World	3
DRAM 105	Introduction to Theatre	3
DRAM 130	Acting I	3
DRAM 134	Introduction to Performance	3
DRAM 222	Introduction to Black Theater	3
ENGL C1002	Introduction to Literature	3
ETHN 100	Introduction to Ethnic Studies	3
ETHN 100H	Introduction to Ethnic Studies (Honors)	3
ETHN 200	Introduction to Pacific Islander and Oceania Studies	3
FILM 101	Introduction to Film	3
FILM 101H	Introduction to Film (Honors)	3
FILM 106	Study of Cinematic Adaptation	3
FILM 111	Film History I: 1880-1948	3
FILM 112	Film History II: 1948-Present	3
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3
FILM 212	Women and Gender in Film	3
FREN 101	Elementary French (First Semester)	4
FREN 102	Elementary French (Second Semester)	4
FREN 121	Introduction to French Culture	3
FREN 201	Intermediate French (Third Semester)	4
FREN 202	Intermediate French (Fourth Semester)	4
GRMN 101	Elementary German (First Semester)	4
GRMN 102	Elementary German (Second Semester)	4
GRMN 121	Introduction to German Culture	3
HIST 103	Early European History and Culture	3
HIST 104	Modern European History and Culture	3
HUMN 101	Introduction to the Arts	3
HUMN 202	Humanities of the Western World: The Renaissance to the Twentieth Century	3
HUMN 205	Women in Western Art and Literature	3
ITAL 101	Elementary Italian (First Semester)	4
ITAL 102	Elementary Italian (Second Semester)	4
ITAL 121	Introduction to Italian Culture	3
ITAL 201	Intermediate Italian (Third Semester)	4
ITAL 202	Intermediate Italian (Fourth Semester)	4
JAPN 101	Elementary Japanese (First Semester)	4
JAPN 102	Elementary Japanese (Second Semester)	4
JAPN 121	Introduction to Japanese Culture	3
JAPN 123	Japanese Anime and Manga	3
JAPN 201	Intermediate Japanese (Third Semester)	4
JAPN 202	Intermediate Japanese (Fourth Semester)	4
LIT 100	Introduction to Chicano Chicana Literature	3
LIT 122	Introduction to African American 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 261	English Literature: Romantic to Contemporary	3
LIT 265	Shakespeare Studies	3

LIT 270	World Literature to 1600	3
LIT 271	World Literature Since 1600	3
MAT 105	History of Graphic Design	3
MUS 110	Theory/Musicianship I	3
MUS 112	American Popular Music	3
MUS 113	The Music of America	3
MUS 114	History of Rock and Roll	3
MUS 115	History of Classical Music	3
MUS 116	A Survey of World Music	3
MUS 119	Jazz History	3
NAIS 100	Introduction to Native American and Indigenous Studies	3
PHIL 101	Introduction to Philosophy: Knowledge and Reality	3
PHIL 101H	Introduction to Philosophy: Knowledge and Reality (Honors)	3
PHIL 102	Ethical Problems	3
PHIL 221	Philosophy of Religion	3
RELG 101	World Religions	3
RELG 101H	World Religions (Honors)	3
RELG 103	Religion in America	3
RELG 105	Eastern Religions	3
SPAN 101	Elementary Spanish (First Semester)	4
SPAN 102	Elementary Spanish (Second Semester)	4
SPAN 121	Introduction to Hispanic Cultures	3
SPAN 201	Intermediate Spanish (Third Semester)	4
SPAN 202	Intermediate Spanish (Fourth Semester)	4
SPAN 221	Spanish for Native Speakers	4
SPAN 222	Spanish for Native Speakers II	4

Area 4—Social & Behavioral Sciences

These courses focus on people as members of society and accomplish the following:

- Develop awareness of the methods 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 200	Concepts of Criminal Law	3
ANTH 102	Cultural Anthropology	3
ANTH 103	Introduction to Archaeology	3
ANTH 105	Evolution of Human Behavior	3
ANTH 107	Gender, Sex, and Sexuality	3
ANTH 120	Global Health	3
ANTH 190	Primate Behavior and Ecology	3
BLST 100	Introduction to Black Studies	3
CCS 100	Introduction to Chicana/o Studies	3
CCS 232	Critical Issues in Chicana and Latina Studies	3
CDEV C1000	Child Growth and Development	3
CDEV 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
COUN 115	Introduction to Multicultural Counseling	3
CSIT 160	Technology, the Individual, and Society	3
CSIT 165	Living in an Online World	3
ECON 100	Survey of Economics	3
ECON C2001	Principles of Microeconomics	3
ECON C2002	Principles of Macroeconomics	3
ETHN 100	Introduction to Ethnic Studies	3
ETHN 100H	Introduction to Ethnic Studies (Honors)	3
ETHN 200	Introduction to Pacific Islander and Oceania Studies	3
ETHN 207	Race and Ethnic Relations	3
GEOG 102	People, Place, and Time: Introduction to Human 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 107	East Asian Societies	3
HIST C1001	United States History to 1877	3
HIST C1001H	United States History to 1877 - Honors	3
HIST C1002	United States History since 1865	3
HIST C1002H	United States History since 1865 - Honors	3
HIST 113	American Military History	3
HIST 115	Women in American History	3
HIST 116	History of the Americas to 1830	3
HIST 117	History of the Americas Since 1830	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 150	History of Mexico	3
HIST 165	California History	3
NAIS 100	Introduction to Native American and Indigenous Studies	3

POLS C1000	American Government and Politics	4
POLS 101	Introduction to Political Science	3
POLS 101H	Introduction to Political Science (Honors)	3
POLS 103	Comparative Government	3
POLS 150	Introduction to International Relations	3
PSYC C1000	Introduction to Psychology	3
PSYC C1000H	Introduction to Psychology (Honors)	3
PSYC 100	Psychology of Personal Growth	3
PSYC 103	Social Psychology	3
PSYC 114	Abnormal Psychology	3
PSYC 115	Human Sexuality	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
SOCI C1000	Introduction to Sociology	3
SOCI C1000H	Introduction to Sociology - Honors	3
SOCI 102	Contemporary Social Problems	3
SOCI 103	Social Psychology	3
SOCI 105	Introduction to Justice Studies	3
SOCI 105	Introduction to Justice Studies	3
SOCI 120	Introduction to Women's Studies	3
SOCI 130	Introduction to Gender Studies	3
SOCI 140	Introduction to LGBT Studies	3
SOCI 207	Race and Ethnic Relations	3
SOCI 250	Introduction to Pacific Studies	3

Area 5—Natural Sciences

These courses examine the physical universe, its life forms, and its natural phenomena. They help students appreciate and understand the scientific method and the relationships between science and other human activities.

A minimum of 3 semester units is required. Select **one** course from any discipline. Courses with a laboratory component are identified with a #.

ANTH C1001	Introduction to Biological Anthropology	3
ANTH C1001H	Introduction to Biological Anthropology - Honors	3
ANTH C1001L	Biological Anthropology Lab	1
ANTH 105	Evolution of Human Behavior	3
ANTH 190	Primate Behavior and Ecology	3
ASTR C1001	Introduction to Astronomy	3
ASTR C1001L	Introduction to Astronomy Lab	1
ASTR 120	Life in the Universe	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: Ocean Ecology and Sustainability	3
BIO 108L	Introductory Biology: Ocean Ecology and Sustainability Lab #	1
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 220	Human Physiology #	4
CHEM 103	Chemistry and Society: For Non-Science Majors	3
CHEM 103L	Chemistry and Society: For Non-Science Majors (Lab) #	1
CHEM 112	Introductory General, Organic, and Biological Chemistry: For Allied Health Majors #	5
CHEM 115	Introductory General Chemistry: For Allied Health Majors #	4
CHEM 140	Preparation for General Chemistry: For Science Majors #	4
CHEM 150	General Chemistry I: For Science Majors #	5
CHEM 151	General Chemistry II: For Science Majors #	5
EART 106	Earth and Space Science	3
GEOG 101	Earth's Dynamic Environment: Introduction to Physical Geography	3
GEOG 101L	Earth's Dynamic Environment: Introduction to Physical Geography Lab #	1
GEOG 155	Introduction to Geographic Information Systems and Techniques with Lab #	4
GEOL 101	Physical Geology	3
GEOL 101L	Physical Geology Laboratory #	1
HORT 115	Soil Science #	3
HORT 116	Plant Science #	4
NURS 153	Pathophysiology for Health Professions	3
NUTR 100	Nutrition Today	3
NUTR 120	Principles of Food Science with Lab #	3
OCEA 101	Introduction to Oceanography	3
OCEA 101H	Introduction to Oceanography (Honors)	3

OCEA 101L	Introductory Oceanography Laboratory #	1
PHSN 106	Introduction to Physical Science: Physics and Chemistry	3
PHYS 111	Introductory Physics I #	4
PHYS 112	Introductory Physics II #	4
PHYS 151	Principles of Physics I #	4
PHYS 152	Principles of Physics II #	4
PHYS 253	Principles of Physics III #	4
PSYC 260	Physiological Psychology	3

Area 6—Ethnic Studies

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

BLST 100	Introduction to Black Studies	3
CCS 100	Introduction to Chicana/o Studies	3
CCS 232	Critical Issues in Chicana and Latina Studies	3
ETHN 100	Introduction to Ethnic Studies	3
ETHN 200	Introduction to Pacific Islander and Oceania Studies	3
ETHN 207	Race and Ethnic Relations	3
NAIS 100	Introduction to Native American and Indigenous Studies	3
SOCI 207	Race and Ethnic Relations	3

Important Information

- 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 2026 and are valid through summer 2027.
- 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.

Cal-GETC

California General Education Transfer Curriculum (Cal-GETC) Requirements 2026–2027

Area 1—English Composition

1A. English Composition (one course)

ENGL C1000	Academic Reading and Writing	4

1B. Critical Thinking and Composition (one course)

ENGL C1001	Critical Thinking and Writing	4
ENGL C1001H	Critical Thinking and Writing (Honors)	4
ENGL C1003	Critical Thinking and Writing through Literature	4
ENGL C1003H	Critical Thinking and Writing through Literature - Honors	4
PHIL 100	Critical Thinking and Argumentative Writing	3

1C. Oral Communication (one course)

COMM C1000	Introduction to Public Speaking	3

Area 2—Mathematical Concepts and Quantitative Reasoning (one course)

BTEC 180	Biostatistics	4
BUS 204	Business Statistics	3
CSIT 123	Introduction to Data Analytics	3
MATH 112	Algebraic Concepts for Problem Solving	4
MATH 115	Calculus with Applications	5
MATH 126	Pre-Calculus I: College Algebra	4
MATH 126S	Pre-Calculus I: College Algebra with Integrated Support	5
MATH 131	Pre-Calculus II: Trigonometry and Analytic Geometry	4
MATH 135	Precalculus Mathematics	6
MATH C2210	Calculus I: Early Transcendentals	5
MATH C2210E	Calculus I: Early Transcendentals - Embedded Support	7
MATH C2210H	Calculus I: Early Transcendentals - Honors	5
MATH C2220	Calculus II: Early Transcendentals	4
MATH 260	Calculus and Analytic Geometry III	4
PSYC 104	Statistics for Behavioral Science	4
PSYC 104H	Statistics for Behavioral Science (Honors)	4
SOCI 125	Introduction to Statistics in Sociology	4
STAT C1000	Introduction to Statistics	4
STAT C1000E	Introduction to Statistics (Embedded Support)	5
STAT C1000H	Introduction to Statistics (Honors)	4

Area 3—Arts and Humanities

3A. Arts (one course)

ART 104	Artists & Designers Now	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 290	Landmarks of Art	3
ARTH 157	Art Orientation	3
ARTH 158	Indigenous Arts of Africa, Oceania, and the Americas	3
ARTH 159	Indigenous Arts of Central and South America	3
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3

ARTH 260	History of Modern Art	3
ARTH 260H	History of Modern Art (Honors)	3
DESN 107	History of Western Architecture-A Sustainable Perspective	3
DESN 108	World Architecture	3
DNCE 100	Dance Appreciation	3
DNCE 101	Dance History	3
DNCE 105	Dance Cultures of the World	3
DRAM 105	Introduction to Theatre	3
DRAM 134	Introduction to Performance	3
DRAM 222	Introduction to Black Theater	3
FILM 101	Introduction to Film	3
FILM 101H	Introduction to Film (Honors)	3
FILM 106	Study of Cinematic Adaptation	3
FILM 111	Film History I: 1880-1948	3
FILM 112	Film History II: 1948-Present	3
MAT 105	History of Graphic Design	3
MUS 112	American Popular Music	3
MUS 113	The Music of America	3
MUS 114	History of Rock and Roll	3
MUS 115	History of Classical Music	3
MUS 116	A Survey of World Music	3
MUS 119	Jazz History	3

3B. Humanities (one course)

ARTH 159	Indigenous Arts of Central and South America	3
CCS 232	Critical Issues in Chicana and Latina Studies	3
COMM 215	Intercultural Communication	3
DESN 108	World Architecture	3
DNCE 104	Dance on Film	3
ENGL C1002	Introduction to Literature	3
FILM 111	Film History I: 1880-1948	3
FILM 112	Film History II: 1948-Present	3
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3
FILM 212	Women and Gender in Film	3
FREN 121	Introduction to French Culture	3
FREN 201	Intermediate French (Third Semester)	4
FREN 202	Intermediate French (Fourth Semester)	4
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 103	Early European History and Culture	3
HIST 104	Modern European History and Culture	3
HIST 115	Women in American History	3
HIST 116	History of the Americas to 1830	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
HUMN 101	Introduction to the Arts	3
HUMN 202	Humanities of the Western World: The Renaissance to the Twentieth Century	3
HUMN 205	Women in Western Art and Literature	3
ITAL 121	Introduction to Italian Culture	3
ITAL 201	Intermediate Italian (Third Semester)	4
ITAL 202	Intermediate Italian (Fourth Semester)	4
JAPN 121	Introduction to Japanese Culture	3
JAPN 123	Japanese Anime and Manga	3
JAPN 201	Intermediate Japanese (Third Semester)	4
JAPN 202	Intermediate Japanese (Fourth Semester)	4
JAPN 210	Intermediate Conversation I and Reading	3
LIT 100	Introduction to Chicano Chicana Literature	3
LIT 122	Introduction to African American 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 261	English Literature: Romantic to Contemporary	3
LIT 265	Shakespeare Studies	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	Ethical Problems	3
PHIL 221	Philosophy of Religion	3
RELG 101	World Religions	3
RELG 101H	World Religions (Honors)	3
RELG 103	Religion in America	3
RELG 105	Eastern Religions	3
SPAN 121	Introduction to Hispanic Cultures	3
SPAN 201	Intermediate Spanish (Third Semester)	4
SPAN 202	Intermediate Spanish (Fourth Semester)	4

SPAN 221	Spanish for Native Speakers	4
SPAN 222	Spanish for Native Speakers II	4

Area 4—Social and Behavioral Sciences (two courses from two disciplines)

ADM 100	Introduction to the Administration of Justice	3
ADM 200	Concepts of Criminal Law	3
ANTH 102	Cultural Anthropology	3
ANTH 103	Introduction to Archaeology	3
ANTH 105	Evolution of Human Behavior	3
ANTH 107	Gender, Sex, and Sexuality	3
ANTH 120	Global Health	3
ANTH 190	Primate Behavior and Ecology	3
BLST 100	Introduction to Black Studies	3
CCS 100	Introduction to Chicana/o Studies	3
CCS 232	Critical Issues in Chicana and Latina Studies	3
CDEV C1000	Child Growth and Development	3
CDEV 112	The Developing Child: Conception through Early Childhood	3
CDEV 210	Child, Family, and Community	3
CDEV 235	Children in a Diverse Society	3
COMM 120	Principles of Human Communication	3
COMM 135	Gender Studies in Communication	3
COMM 220	Introduction to Mass Communication	3
CSIT 160	Technology, the Individual, and Society	3
CSIT 165	Living in an Online World	3
ECON 100	Survey of Economics	3
ECON C2001	Principles of Microeconomics	3
ECON C2002	Principles of Macroeconomics	3
ETHN 207	Race and Ethnic Relations	3
GEOG 102	People, Place, and Time: Introduction to Human 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 107	East Asian Societies	3
HIST C1001	United States History to 1877	3
HIST C1001H	United States History to 1877 - Honors	3
HIST C1002	United States History since 1865	3
HIST C1002H	United States History since 1865 - Honors	3
HIST 113	American Military History	3
HIST 115	Women in American History	3
HIST 116	History of the Americas to 1830	3
HIST 117	History of the Americas Since 1830	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 150	History of Mexico	3
HIST 165	California History	3
NUTR 108	Cultural Aspects of Foods and Nutrition	3
POLS C1000	American Government and Politics	4
POLS 101	Introduction to Political Science	3
POLS 101H	Introduction to Political Science (Honors)	3
POLS 103	Comparative Government	3
POLS 150	Introduction to International Relations	3
PSYC C1000	Introduction to Psychology	3
PSYC C1000H	Introduction to Psychology (Honors)	3
PSYC 100	Psychology of Personal Growth	3
PSYC 103	Social Psychology	3
PSYC 114	Abnormal Psychology	3
PSYC 115	Human Sexuality	3
PSYC 121	Human Development	3
PSYC 125	Psychology of Women	3
PSYC 145	Psychology/Sociology of the Family	3
PSYC 170	Psychology of Aging: Adult Development and Aging	3
PSYC 211	Learning and Behavior Modification	3
SOCI C1000	Introduction to Sociology	3
SOCI C1000H	Introduction to Sociology - Honors	3
SOCI 102	Contemporary Social Problems	3
SOCI 103	Social Psychology	3
SOCI 105	Introduction to Justice Studies	3
SOCI 120	Introduction to Women's Studies	3
SOCI 130	Introduction to Gender Studies	3
SOCI 140	Introduction to LGBT Studies	3
SOCI 145	Psychology/Sociology of the Family	3
SOCI 207	Race and Ethnic Relations	3
SOCI 250	Introduction to Pacific Studies	3

Area 5—Physical and Biological Sciences

Two courses and a minimum of 7 semester units are required. Select **one** course from 5A and **one** course from 5B. One course must include a corresponding laboratory. (Laboratory courses in 5A and 5B are noted with the # symbol. Courses in 5A and 5B noted with the * symbol have a corresponding lab course listed in 5C.)

5A. Physical Science (one course)

ASTR C1001	Introduction to Astronomy *	3
ASTR 120	Life in the Universe	3
CHEM 103	Chemistry and Society: For Non-Science Majors *	3

CHEM 112	Introductory General, Organic, and Biological Chemistry: For Allied Health Majors #	5
CHEM 115	Introductory General Chemistry: For Allied Health Majors #	4
CHEM 140	Preparation for General Chemistry: For Science Majors #	4
CHEM 150	General Chemistry I: For Science Majors #	5
CHEM 151	General Chemistry II: For Science Majors #	5
EART 106	Earth and Space Science	3
GEOG 101	Earth's Dynamic Environment: Introduction to Physical Geography *	3
GEOL 101	Physical Geology *	3
OCEA 101	Introduction to Oceanography *	3
OCEA 101H	Introduction to Oceanography (Honors) *	3
PHSN 106	Introduction to Physical Science: Physics and Chemistry	3
PHYS 111	Introductory Physics I #	4
PHYS 112	Introductory Physics II #	4
PHYS 151	Principles of Physics I #	4
PHYS 152	Principles of Physics II #	4
PHYS 253	Principles of Physics III #	4

5B. Biological Science

ANTH C1001	Introduction to Biological Anthropology *	3
ANTH C1001H	Introduction to Biological Anthropology - Honors *	3
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: Ocean Ecology and Sustainability *	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 202	Foundations of Biology: Evolution, Biodiversity, and Organismal Biology #	4
BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology #	4
BIO 220	Human Physiology #	4
BIO 230	Introduction to Microbiology #	5
HORT 115	Soil Science #	3
HORT 116	Plant Science #	4
NUTR 100	Nutrition Today	3
PSYC 260	Physiological Psychology	3

5C. Laboratory

This requirement may be met by the completion of any course that includes a laboratory found above in 5A or 5B (noted by the # symbol) or a course designated as "L" that corresponds to a 5A or 5B course.

ANTH C1001L	Biological Anthropology Lab	1
ASTR C1001L	Introduction to Astronomy Lab	1
BIO 108L	Introductory Biology: Ocean Ecology and Sustainability Lab	1
BIO 111L	Introductory Biology: Preparation for Pre-Health Professions (Lab)	1
CHEM 103L	Chemistry and Society: For Non-Science Majors (Lab)	1
GEOG 101L	Earth's Dynamic Environment: Introduction to Physical Geography Lab	1
GEOL 101L	Physical Geology Laboratory	1
OCEA 101L	Introductory Oceanography Laboratory	1

Area 6—Ethnic Studies (one course)

BLST 100	Introduction to Black Studies	3
CCS 100	Introduction to Chicana/o Studies	3
CCS 232	Critical Issues in Chicana and Latina Studies	3
ETHN 100	Introduction to Ethnic Studies	3
ETHN 100H	Introduction to Ethnic Studies (Honors)	3
ETHN 207	Race and Ethnic Relations	3
SOCI 207	Race and Ethnic Relations	3

Important Information & Footnotes

- This general education certification pattern can be subject to change year by year, but students are assured that courses taken to meet this pattern will be honored if they are approved for the academic year that the course is completed. Courses on this list are approved effective fall 2026 and are valid through summer 2027.
- 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 (https://www.miracosta.edu/student-services/articulation/) (http://www.miracosta.edu/studentservices/articulation/)and Transfer Center (https://www.miracosta.edu/student-services/transfer-center/) webpages.
- All courses on Cal-GETC 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.

- Cal-GETC is not a UC admission requirement but is advantageous to most transfer students. Students are strongly encouraged to work with a MiraCosta College counselor to develop an educational plan that includes general education and major preparation coursework specific to the intended UC campus. Certification of Cal-GETC is an admission requirement for the California State University system when students are completing an Associate Degree for Transfer.

Laboratory course.
* Courses with a corresponding laboratory course.

Certificate Requirements

Certificates of Achievement

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

Federal regulations require colleges to disclose certain information to prospective students about certificate programs that lead to employment. This "gainful employment" information includes the estimated cost and length of time it takes for students to complete each program. MiraCosta's gainful employment information is available on the Instructional Services (https://www.miracosta.edu/academics/office-of-instruction/) webpage.

The certificates of achievement students can earn at MiraCosta College are identified on the Degree & Certificate Programs (p. 67) table. The total units required for a certificate of achievement varies with each discipline. Course requirements for specific certificates are listed alphabetically by subject under Areas of Study & Courses.

The college's academic counselors are available to help students develop a personalized educational plan that outlines the coursework term-by-term that is required to complete the student's chosen program of study. Once a student's educational plan is completed, they can access it any time by logging into their SURF account. Additionally, many certificates of achievement can be used to satisfy associate degree major requirements.

MiraCosta counselors can help interested students review the degree requirements and supplement certificate courses with appropriate general education courses.

Requirements

To obtain a certificate of achievement, students must earn a minimum grade of "C," or "P" if the course is taken on a Pass/No Pass basis, in each course counted toward the certificate (with the exception that the Cal-GETC certificate will be awarded according to Cal-GETC policies). Courses completed with a C- at institutions accredited by an agency recognized by the U. S. Secretary of Education may be used to complete this requirement.

Students are eligible to receive certificates of achievement with honors if they earn a grade point average of 3.00-3.49. Certificates of achievement with highest honors are awarded to students with grade point averages of 3.50-4.00.

Certificates of Proficiency

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

The certificates of proficiency students may earn at MiraCosta College are identified on the Degree & Certificate Programs (p. 67) table. Course requirements for specific certificates are listed alphabetically by subject under Areas of Study & Courses.

Certificates of proficiency are designed to prepare students for the first step in a career ladder. In some cases, the courses completed for these certificates can also be applied toward a certificate of achievement and/or an associate degree.

MiraCosta's academic counselors can help interested students review the additional requirements and develop a personalized plan that leads to that educational goal.

Requirements

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

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

Graduation & Commencement

Applying for a Degree or Certificate of Achievement

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

- **Fall: October 1**
- **Spring: March 1**
- **Summer: July 1**

Petitions for bachelor's degree, associate degree, and certificate of achievement are available on the Become a College Graduate webpage (https://miracosta.edu/student-services/student-life/commencement/graduate.html).

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

Commencement

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

Transferring Coursework

Transfer Center Services

About the Transfer Center

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

The Transfer Center offers drop-in sessions, scheduled appointments, workshops, and provides sessions with university representatives. For the most comprehensive assistance, the Transfer Center encourages students to develop a comprehensive student educational plan (CSEP) with a counselor and to monitor that plan with their counselor as they move toward their transfer goal. We offer appointments at the Oceanside Campus, the San Elijo Campus, and online via Zoom.

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 Transfer Center webpage (https://www.miracosta.edu/student-services/transfer-center/) 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.

Recommendations for Transfer Students

Students considering a transfer path should take the following steps:

- 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 comprehensive student educational plan (CSEP). Counseling faculty are available to assist students who need help selecting a major and/or a transfer university.
- Select a major-preparation course over a general education course when there is a conflict in scheduling. Many major-preparation courses are part of a sequence and may not be offered every semester, whereas general education courses are frequently offered each semester and during the summer.
- Visit the intended transfer college's website to research major and other transfer opportunities.
- Attend a campus tour and orientation session at the transfer university. Tours and orientation sessions provide a great way to learn about different campuses and to meet with department advisers.
- Submit applications to more than one college or university. Be aware of admission application filing dates. Visit the application website for information:
  - UC online application website (http://www.universityofcalifornia.edu/admissions)
  - CSU online application website (http://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. 73)).

For more information, please visit the Transfer Center or the Transfer Center webpage (https://www.miracosta.edu/student-services/transfer-center/) or call 760.795.6880.

2026 Transfer Center Calendar

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

All dates above are subject to change. Information is based on data available as of May 2026.

Transfer Options

MiraCosta College students who wish to complete a bachelor's degree have the opportunity to transfer to a variety of public and private/independent colleges and universities both in California and out-of-state.

Preparing for Transfer

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

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

Developing an Education Plan

MiraCosta College's academic counselors are available to help students in developing an individualized educational plan. By outlining the coursework and program requirements needed to achieve a student's educational goal or program of study, an educational plan helps students stay on track and avoid taking unnecessary courses that may add time and cost.

An education plan serves as a roadmap towards a student's educational goal and helps ensure students complete transferable courses that satisfy general education and major requirements. Once completed, students can access their educational plan through their SURF account.

Please see the Transfer Center webpage (p. 86) for specific recommendations about how to pursue transfer as your educational goal.

CSU Transfer

The California State University (CSU) system has 22 campuses across the state. The CSU offers students the choice of more than 4,100 bachelor's, master's and doctoral degree programs in 240 subject areas. These campuses and the majors they offer are described on the California State University Apply website (https://www.calstate.edu/apply/choosing-a-campus).

To obtain a bachelor's degree from a CSU campus, students must complete a minimum of 120 semester units (180 quarter units). A maximum of 70 units of transferable credit will be accepted from MiraCosta or any California Community College towards the unit total for graduation.

Minimum Transfer Requirements

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

Upper-Division Transfer Minimum Eligibility Requirements

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

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

Lower-Division Transfer Minimum Eligibility Requirements

Due to enrollment demands, most CSU campuses restrict or prohibit the admission of lower-division transfer students who have earned fewer than 60 transferable semester units (90 quarter units). However, this policy can vary by campus and is subject to change annually. For more information, please refer to the CSU Lower-Division Transfer website (https://www.calstate.edu/apply/transfer/Pages/lower-division-transfer.aspx).

Associate Degree for Transfer (ADT) Programs

The California Community College Associate Degree for Transfer (AS-T or AA-T) degrees are fully transferable to the CSU and are no more than 60 semester units.

With the Associate Degree for Transfer (ADT), sometimes called a Degree with a Guarantee, students who meet the CSU's minimum eligibility requirements are guaranteed priority admission to the CSU, though not necessarily to a particular campus or major.

AA-T or AS-T degrees that are deemed similar at specific CSU campuses can be found on the CSU Associate Degree for Transfer Major & Campus Search website (https://www.calstate.edu/apply/transfer/Pages/associate-degree-for-transfer-major-and-campus-search.aspx). Once admitted, students are required to complete no more than 60 additional prescribed units to qualify for the similar baccalaureate degree.

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

To check if a CSU accepts an ADT that is offered by MiraCosta, please refer to the CSU website *Associate Degree for Transfer Major and Campus Search*.

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

Advanced Placement (AP), International Baccalaureate (IB), and College Level Examination Program (CLEP) credit can be used to satisfy the required 60 transferable units. The Advanced Placement Guide (p. 37), International Baccalaureate Guide (p. 40), and College Level Examination Program Guide (p. 41) identify which exams can be used for general education credit and CSU admission units.

Impacted Programs

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

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

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

Transfer Planning

As soon as possible after applying to MiraCosta College, students whose educational goal includes transferring to a CSU campus should meet with a MiraCosta College academic counselor to develop an appropriate educational plan. A comprehensive student education plan (CSEP) outlines the three components - **general education pattern**, **major preparation courses**, and **transferable electives courses** needed to prepare for transfer.

MiraCosta College's academic counselors will provide guidance on CSU admission requirements, application deadlines, and other transfer planning considerations that may vary by campus and program.

Students are encouraged to meet with a counselor regularly to review and update their education plan as their goals and transfer plans evolve.

General Education Requirements: Cal-GETC Courses

All students obtaining a bachelor's degree from a CSU campus must satisfy general education (GE) requirements. A minimum of 43 semester units of GE is required: 34 units of lower-division and 9 units of upper-division courses. All of the lower-division GE courses may be completed at MiraCosta before students transfer to a CSU campus. To satisfy the GE requirements, students must take specified courses from the California General Education Transfer Curriculum (Cal-GETC) (p. 79) pattern in the following subject areas:

- Area 1 — English Communication
- Area 2 — Mathematical Concepts and Quantitative Reasoning
- Area 3 — Arts and Humanities
- Area 4 — Social and Behavioral Sciences
- Area 5 — Physical and Biological Sciences
- Area 6 — Ethnic Studies

Major Preparation

Students need to identify a major and complete the required courses for that major. MiraCosta College has articulation agreements with most CSU campuses. These agreements, which can be viewed at on the ASSIST website (http://www.assist.org), inform students which courses at MiraCosta can satisfy a major requirement at a CSU campus.

The Associate Degree for Transfer will also specify coursework that will be acceptable as major preparation at participating CSU campuses and may be used in lieu of published articulation agreements.

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

Transferable Electives

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

History, Constitution, and American Ideals

All CSU campuses have a graduation requirement known as History, Constitution, and American Ideals. Students may be certified as completing this requirement either by completing one course from Group I and one course from Group II or by completing the course in Group III. A course used to meet this requirement may also be used to satisfy a Cal-GETC subject area requirement.

Group I

HIST C1001	United States History to 1877	3
HIST C1001H	United States History to 1877 - Honors	3
HIST 116	History of the Americas to 1830	3
HIST 141	Mexican American History Through 1877	3
HIST 145	African American History to 1877	3

Group II

HIST C1002	United States History since 1865	3
HIST C1002H	United States History since 1865 - Honors	3
HIST 117	History of the Americas Since 1830	3
HIST 142	Mexican American History Since 1877	3
HIST 146	African American History Since 1877	3
HIST 165	California History	3

Group III

POLS C1000	American Government and Politics	4

Cal-GETC Certification

MiraCosta College is authorized to certify a minimum of 34 lower-division general education units. Certification means the CSU will accept the courses approved to meet the Cal-GETC subject areas. Students should request certification of coursework that meets Cal-GETC requirements because certification ensures students will not be required to complete additional lower-division GE courses after they transfer.

Students may apply for 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 Cal-GETC Certification are as follows:

- All courses 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 an institution accredited by an agency recognized by the U.S. Secretary of Education 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 Cal-GETC certification.

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

Certificate of Achievement in Cal-GETC

Students who complete the entire Cal-GETC pattern of courses are eligible to receive a Certificate of Achievement in California General Education Transfer Curriculum (Cal-GETC).

UC Transfer

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

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 will be accepted from MiraCosta or any California Community Colleges towards the unit total for graduation.

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

Priority Eligibility for Transfer Students

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

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

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

Upper-Division Transfer Admission

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

- Complete 60 semester (90 quarter) units of transferable college credit with at least a 2.4 grade point average (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 California General Education Transfer Curriculum (Cal-GETC) pattern will meet the minimum admission requirements described above.

Meeting the minimum transfer admissions eligibility requirements does not guarantee admission to the major and UC campus of the student's choice. Most UC campuses require a higher GPA for admission and for major-preparation courses. In cases where there are more eligible applicants than transfer openings, applicants with the strongest academic preparation are given priority.

To learn more about requirements that can be met to make an applicant more competitive for admission to a specific

UC campus as well as important application deadlines, students should meet with a MiraCosta College counselor, visit the Transfer Center, or review information available on the University of California Admissions website (http://www.universityofcalifornia.edu/admissions).

Lower-Division Transfer Admission

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

Advanced Placement & International Baccalaureate Credit

Advanced Placement (AP) and International Baccalaureate (IB) credit can also be used to satisfy the 60 transferable units. The Advanced Placement Guide (p. 37) and International Baccalaureate Guide (p. 40) identify which exams can be used for general education credit and UC admission units. Please note for all major prep, each UC school has unique guidelines on how the AP or IB courses may be applied.

Impacted Programs

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

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

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

Transfer Planning

As soon as possible after applying to MiraCosta College, students whose educational goal includes transferring to a UC campus should meet with a MiraCosta College academic counselor to develop an appropriate educational plan. A comprehensive student education plan (CSEP) outlines the three components - **general education**, **major preparation courses**, and transfer **electives courses** needed for to prepare for transfer. The Transfer Center counselors specialize in UC transfers as well as complicated transfers using multiple transcripts and graduate school planning.

MiraCosta College's academic counselors will provide guidance on UC admission requirements, application deadlines, and other transfer planning considerations that may vary by campus and program.

Students are encourages to meet with a counselor regularly to review and update their education plans as their goals and transfer plans evolve.

General Education Requirements: Cal-GETC

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

Cal-GETC 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 Cal-GETC prior to transfer as doing so can be advantageous in the admission's process for many majors on most UC campuses. However, students who intend to transfer into majors that require extensive lower-division preparation, such as engineering or the physical and natural sciences, should concentrate on completing the many major preparation courses that the college screens to determine eligibility for admission.

Major Preparation

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

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

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

The University of California system has collaborated on identifying common major preparation requirements, called UC Pathways, for the most popular transfer majors. These pathways guide students who want to make themselves competitive across the UC system; some campuses may want fewer courses

for admission, but none will expect more. This information can be found on the University of California Admissions website (https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/transfer-pathways/).

Transferable Electives

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

University of California Transfer Admission Programs

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

Transfer Admission Guarantee (TAG)

Six UC campuses offer a Transfer Admission Guarantee (TAG) program. By participating in a TAG, students receive early review of their academic records, early admission notification, and specific guidance about major preparation and general education coursework.

For complete information about TAGs offered at participating UC campuses, students should see a MiraCosta College counselor, visit the Transfer Center, or locate information on the University of California Admissions website (https://admission.universityofcalifornia.edu/admission-requirements/transfer-requirements/transfer-admission-guarantee-tag.html).

UCB TAP Program

UC Berkeley Transfer Alliance Project (UCB TAP) provides transfer information, education planning, advising, academic enrichment, peer mentoring, major/career assistance, and campus-life immersion to students who face significant barriers, such as low-income, first-generation to college, or a primary language other than English. Appointments are available during the fall and spring semesters. For more information, please visit the UCB TAP website (https://cep.berkeley.edu/tap).

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

The Transfer Alliance Program (TAP) is a collaboration between the MiraCosta College Honors 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 the MiraCosta College Honors Program and complete the UCLA Transfer Alliance Program Certification (p. 58).
- Meet with a Transfer Center counselor their first term at MiraCosta College to develop a comprehensive student education plan (CSEP).
- Complete ALL major prep listed on assist.org (https://assist.org/).
- Complete a minimum of 60 transferable units, including 15 units of honors classes, with a competitive GPA.

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

UC San Diego (UCSD) University Link Program

UCSD UniversityLink is designed for freshmen, active duty military and veterans, current/former foster youth, and students whose family income is no more than $40,000 per year.

This program represents a partnership among UCSD, MiraCosta College, and local high schools. It guarantees admission to UCSD if the student completes their first two years of college coursework at MiraCosta and meets specific UCSD admission and GPA requirements. Students in the program receive individual academic advisement and counseling, informational workshops and tours, invitations to special events at UCSD, and contact with current UCSD students.

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

Cal-GETC Certification

Prior to transfer from MiraCosta, students can request certification of the Cal-GETC pattern. Certification ensures students will not be asked to complete additional lower-division general education courses after they transfer. The following rules apply to Cal-GETC 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 private institution accredited by an agency recognized by the U.S. Secretary of Education 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 Cal-GETC.

Students can request Cal-GETC Certification from the MiraCosta Admissions and Records Office when they request transcripts be sent to their intended transfer institution.

Certificate of Achievement in Cal-GETC

Students who complete the Cal-GETC pattern of courses are eligible to receive a Certificate of Achievement in California General Education Transfer Curriculum (Cal-GETC).

Private College/Out-of-State University Transfer

MiraCosta College has agreements with many private colleges and universities within California as well as with some out-of-state universities. Most of these universities accept all courses designated as UC transferable, and many accept completion of the California General Education Transfer Curriculum (Cal-GETC) pattern in lieu of their own general education requirements. However, graduation requirements and coursework used to complete a major may vary significantly from those at the California State University (CSU) or University of California (UC). MiraCosta lists these agreements on the college's Articulation webpage (https://www.miracosta.edu/student-services/articulation/agreements.html).

Some California and out-of-state private colleges and universities accept the Associate Degree for Transfer (p. 74) for specific majors in lieu of major and general education requirements. For a complete list of participating four-year universities, please visit the California Community Colleges Associate Degree for Transfer website (https://icangotocollege.com/associate-degree-for-transfer).

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.

Transfer Guarantee to Historically Black Colleges and Universities (HBCUs) Program

Students who receive at least a 2.0* grade point average (GPA) and complete either an Associate Degree for Transfer (p. 74) or 30 UC or CSU transferable units are guaranteed transfer to a participating HBCU as part of the California Community Colleges partnership with more than 35 select public and private HBCUs. Most HBCUs are located in the South and on the East Coast, and they are open to students of all ethnicities. More information about the HBCU transfer guarantee program can be found on the California Community Colleges HBCU Transfer Opportunities website (https://icangotocollege.com/hbcu-transfer-opportunities#hbcu_partner_list). *Note: Certain partner HBCUs require higher than a 2.0 GPA.

Academic & Career Pathways

Academic & Career Pathways (ACPs)

About ACPs

Academic and Career Pathways (ACPs) are designed to make your academic and career journey easier. ACPs provide a roadmap that groups similar majors and courses together, helping you pick what you are passionate about, plan your education, and get a degree, certificate, or transfer. ACPs connect you to a community of learners where you can meet and engage with students who share your goals. Let's get started on your path to success!

ACPs at MiraCosta College

MiraCosta College has six ACPs from which to choose:

- Business & Technology (p. 94)
- Creative & Applied Arts (p. 94)
- Health Sciences (p. 95)
- Languages, Communication, & Humanities (p. 95)
- Math & Sciences (p. 95)
- Social & Behavioral Sciences (p. 96)

Please see the Academic & Career Pathways webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/) for information about how to choose a pathway and major.

Business & Technology

About the Business & Technology ACP

Are you eager to engage in project-based learning that equips you with skills for the future of work? The Business & Technology ACP offers current business practices and technical design skills that open doors to dynamic careers, equipping you to succeed in today's job market.

- Areas of study in business will teach you how to plan, organize, and apply skills in finance, accounting, sales, marketing, hospitality, and entrepreneurship. Whether you aim to work for a company or start your own business, you'll gain the tools to navigate your career path with confidence.
- Technology and applied fields of study teach you skills in office tech support, product design, architectural drafting, network security, web development, multimedia design, and automotive repair, preparing you for careers in technology and automotive fields

Careers in Business & Technology*

- Accountants, bookkeepers, tax preparers, auditors, financial and investment analysts, and financial managers.
- Marketing specialists, project management specialists, social media specialists, e-commerce specialists, entrepreneurs, and operational managers and supervisors.
- Administrative assistants, administrative managers, hotel managers, office coordinators, and event planners.
- Help desk support, cyber security, computer support specialists, network support specialists, network administrators, computer systems analysts, and information tech managers.
- Graphic designers, web designers, and web developers.
- Architectural drafters, engineering technicians, and product designers.
- Automotive mechanics, automotive body repair technicians, auto service managers, and auto parts specialists.

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

For More Information

- For information about Business & Technology programs at MiraCosta College, please visit the Business & Technology ACP webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/).
- For additional career, job outlook, and salary information, please visit the college's Career Coach tool (https://miracosta.lightcastcc.com/?region=San%20Diego%20County&radius=).

Creative & Applied Arts

About the Creative & Applied Arts ACP

Interested in discovering your creative potential? The Creative & Applied Arts ACP offers diverse programs empowering students to transform their creative passions into impactful careers. This pathway offers a vibrant community for developing skills, collaborating, and expressing yourself, whether you're aiming for a career in the arts or just exploring creativity.

- Areas of study within this ACP will help you develop artistic skills that can be applied in fulfilling careers in technical theater production, stagecraft, music, dance, graphic design, web and interactive design, illustration, digital photography, audio production, recording technology, and more.
- Creative arts majors will prepare you for transfer opportunities in the areas of art, music, dance, theater, film, design, and photography.

Careers in Creative & Applied Arts*

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

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

For More Information

- For information about Creative & Applied arts programs at MiraCosta College, please visit the Creative & Applied Arts

ACP webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/).
- For additional career, job outlook, and salary information, please visit the college's Career Coach tool (https://miracosta.lightcastcc.com/?region=San%20Diego%20County&radius=).

Health Sciences

About the Health Sciences ACP

Ready to unlock opportunities for impactful careers in healthcare and wellness? The Health Sciences ACP offers hands-on training through diverse programs that prepare you for success in one of the fastest-growing industries. Gain skills that connect passion with purpose for meaningful career opportunities.

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

Careers in Health Sciences*

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

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

For More Information

- For information about health sciences programs at MiraCosta College, please visit the Health Sciences ACP webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/).
- For additional career, job outlook, and salary information, please visit the college's Career Coach tool (https://miracosta.lightcastcc.com/?region=San%20Diego%20County&radius=).

Languages, Communication, & Humanities

About the Languages, Communication, & Humanities ACP

Do you find inspiration in work that relies on communication and connection? The Languages, Communication, & Humanities ACP offers students a foundation for developing their skills in critical thinking, research, language use, empathy, and emotional intelligence. This pathway supports students pursuing a variety of careers where these skills are essential for success.

Careers in Languages, Communication, & Humanities*

- Teachers, professors, and educators.
- Diplomats, Foreign Service officers, lawyers, and historians.
- Language interpreters, translators, and linguists.
- Publishers, journalists, writers, and copywriters.
- Public relations, advertising, and marketing professionals.

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

For More Information

- For information about programs within this ACP at MiraCosta College, please visit the Languages, Communication, & Humanities ACP webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/).
- For additional career, job outlook, and salary information, please visit the college's Career Coach tool (https://miracosta.lightcastcc.com/?region=San%20Diego%20County&radius=).

Math & Sciences

About the Math & Sciences ACP

Are you driven by logic, problem solving, and innovation? The Math & Sciences ACP offers students interactive learning opportunities that prepare them for high-paying, high-demand careers in science, technology, engineering, and mathematics (STEM) fields and medicine with a focus on problem-solving and innovation.

Areas of study within this ACP will prepare you for a variety of career and transfer opportunities in biology, chemistry, biomanufacturing, biotechnology, mathematics, physics, computer science, earth sciences, landscape architecture, viticulture, and horticulture.

Careers in Math & Sciences*

- Lab technicians, lab assistants, chemical technicians, biomanufacturing technicians, and crime lab analysts.

- Engineers, computer programmers, software developers, database managers, and video game developers.
- Landscape architects, sustainable agriculture managers, pest control specialists, and horticulturalists.
- Economic analysts, research analysts, statisticians, information scientists, and database administrators.
- Chemists, mathematicians, and research scientists.
- Biologists, ecologists, biochemists, marine biologists, meteorologists, physicists, oceanographers, and natural science managers.
- Medical doctors, pharmacists, dentists, and physician assistants.
- Math and sciences educators.

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

For More Information

- For information about programs within this ACP at MiraCosta College, please visit the Math & Sciences ACP webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/).
- For additional career, job outlook, and salary information, please visit the college's Career Coach tool (https://miracosta.lightcastcc.com/?region=San%20Diego%20County&radius=).

Social & Behavioral Sciences

About the Social & Behavioral Sciences ACP

Are you interested in the study of culture, society, and human behavior? The Social & Behavioral Sciences ACP offers students the opportunity to gain the skills and insights needed to tackle real-world challenges and make a difference in their community. Obtain skills that prepare you for meaningful careers that drive social change and empower others.

Areas of study within this ACP will prepare you for careers and transfer in administration of justice, anthropology, early childhood education, economics, ethnic studies, geography, human development, psychology, political science, religious studies, and sociology.

Careers in Social & Behavioral Sciences*

- Attorneys, criminologists, police officers, corrections officers, court reporters, and paralegals.
- Economists, public policy analysts, and political campaign managers.
- Social workers, human service assistants, social researchers, and anthropologists.
- Psychologists, mental health counselors, marriage and family therapists, organizational psychologists, and training and development specialists.
- Preschool teachers, daycare managers, elementary school/middle/high school teachers, professors, and counselors.

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

For More Information

- For information about programs within this ACP at MiraCosta College, please visit the Social & Behavioral Sciences ACP webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/).
- For additional career, job outlook, and salary information, please visit the college's Career Coach tool (https://miracosta.lightcastcc.com/?region=San%20Diego%20County&radius=).

Areas of Study & Courses

How to Read Course Descriptions

How to Read Course Descriptions

Courses listed in this catalog apply to the **fall 2026**, **spring 2027**, and **summer 2027 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.
- **Course numbers C1000-C2999:** Associate-degree applicable courses; intended for transfer to a four-year university. (Please see the CCN Chart (p. 23) for a list of courses with a common course number.)
- **Course numbers 300-400:** Upper-division courses; available only to students in the baccalaureate degree program in biomanufacturing at MiraCosta.

Other course description information includes the following:

- **Units:** The semester credit for the course. One unit of credit is defined as one hour of lecture or three hours of laboratory work each week.
- **Prerequisites:** A requirement that must be met in order to demonstrate current readiness for enrollment in the course. When courses in a subject must be taken in a particular order, the prerequisites indicate the required sequence.
- **Corequisites:** A course students must take in the same semester/term in order to enroll in the course.
- **Advisories:** Recommended preparation the student is advised but not required to have before or in conjunction with the course.
- **Enrollment Limitations:** Some courses place restrictions on enrollment. Most of these restrictions prevent students from duplicating coursework. Others specify something the student must do prior to enrolling in a course, such as audition or obtain special approval. Some enrollment limitations restrict the number of units a student can earn or the number of courses a student can take within a group of courses that share a similar primary educational objective.
- **Acceptable for Credit:** CSU means the course is accepted for transfer at any California State University (CSU) campus; UC means it is accepted for transfer at any University of California (UC) campus. Some courses can be used to satisfy general education or major requirements while others transfer as elective credit. UC Credit Limitation means credit for the course may have UC transfer restrictions; these restrictions are identified at the end of the course description.
- **Lecture and Lab Hours:** The number of hours the course meets for lecture and/or lab per week.
- **Course Typically Offered:** Indicates patterns of course offerings; however, students should check the class schedule for the current semester's offering. (**Note:** MiraCosta College reserves the right to cancel any course due to insufficient enrollment or other circumstances beyond the District's control.)

The **course description** summarizes the purpose and key topical areas of the course and includes special requirements if any exist. Some course descriptions end with information about whether the course was "formerly" another course, how many times the course may be repeated, or whether the course is offered on a "pass/no pass" basis. Some course descriptions identify UC credit limitations, and some indicate an instructional materials fee is required as a condition of enrollment in the course. (Please refer to the Fees (p. 25) section of the catalog for information about required instructional materials fees.)

When a course description ends with a **C-ID** number, students can be assured the course will be accepted in lieu of a course bearing the same C-ID designation at another community college. The C-ID designator means the course is comparable in content and scope to a similar course offered by participating California community colleges. (For a list of MiraCosta College courses that have a C-ID, see the C-ID Courses page (p. 30) under Admissions & Registration.)

Accounting

Accounting offers theoretical and practical courses for students planning to transfer as accounting majors, career and technical courses that lead to certificates of proficiency and achievement, and professional development courses designed to improve workplace skills, including course paths for preparation for profession certification exams such as the IRS Enrolled Agent certification and the Certified Bookkeeper credential. Career options in accounting include positions in the private and public sectors, tax preparation, finance and banking, business ownership, and management.

Academic and Career Pathway

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

Contact Information

Chair: Suganya Sankaranarayanan
Dean: Annie Ngo
miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/accounting/index.html (http://miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/accounting/)

Department: Business
Office: Building OC3600, 760.795.6807

Full-Time Faculty

Eric Carstensen
Delores Loedel

Associate Degrees

Associate in Arts Degrees

Accounting

Bookkeeping

Students may earn one of the above-named associate degrees by completing its respective certificate of achievement requirements and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 73)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Certificates

Certificate of Achievement

Accounting

Accounting offers theoretical and practical courses for students planning to transfer as accounting majors, career and technical courses that lead to certificates of proficiency and achievement, and professional development courses designed to improve workplace skills. Career options in accounting include positions in the private and public sectors, tax preparation, finance and banking, business ownership, and management.

Students interested in accounting-related careers may choose the Accounting or Bookkeeping certificate program.

Accountants generally work without continuous supervision. They have full responsibility for entries to general journals, posting to general ledgers, year-end adjustments, and financial statements. An accountant often supervises one or more bookkeepers and is the primary accounting specialist in a small business. In addition to the training needed by a bookkeeper, an accountant needs extra accounting, business communication, law, income tax, and management training.

A strong demand by the community for accounting specialists provides opportunities within this field.

Program Student Learning Outcome

Upon completion of this program, the student will be able to successfully construct and analyze accounting information for the purposes of making business decisions.

Course Requirements

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	QuickBooks	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
BUS 290	Business Communication	3
CSIT 110	Computer Applications	3
or CSIT 128	Microsoft Excel for Business	
Total Units		**30**

Certificate of Achievement

Bookkeeping

Accounting offers theoretical and practical courses for students planning to transfer as accounting majors, career and technical courses that lead to certificates of proficiency and achievement, and professional development courses designed to improve workplace skills. Career options in accounting include positions in the private and public sectors, tax preparation, finance and banking, business ownership, and management.

Bookkeepers generally work under supervision. They make entries in special journals, posts to subsidiary ledgers, and verifies and files source documents. Appropriate training includes accounting, business mathematics, and computer office skills.

A strong demand by the community for bookkeepers assures opportunities within this field. The following courses may be taken in any sequence as long as all prerequisites are met.

Program Student Learning Outcome

Upon completion of the this program, the student will be able to analyze and record business transactions using double-entry accounting as well as construct and interpret required financial statements.

Course Requirements

The following courses may be taken in any sequence as long as all prerequisites are met.

Required courses:		
ACCT 104	Payroll Accounting	3
ACCT 145	Individual Income Tax	3-4
or ACCT 146	Taxation of Business Entities	
or ACCT 147	Ethics, Representation, Practice, and Procedures	
ACCT 148	QuickBooks	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		**25-26**

Certificate of Achievement

Professional Accounting: Preparing for the CPA Exam

This certificate is designed for students who have a bachelor's degree that wish to be licensed as a Certified Public Accountant (CPA). This certificate will prepare students for the Certified Public Accounting (CPA) examination. The courses in this certificate provide some of the skills and hours required to sit for the CPA exam. Upon successful completion of the CPA exam, students will have the ability to perform the functions of a certified public accountant.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to apply knowledge of applicable accounting practice and theory to accurately prepare financial information for analysis and to make informed business decisions.

Course Requirements

Required courses:		
ACCT 201	Financial Accounting	4
ACCT 202	Managerial Accounting	4
ACCT 204	Intermediate Accounting I	4
ACCT 145	Individual Income Tax	4
ACCT 146	Taxation of Business Entities	4
ACCT 147	Ethics, Representation, Practice, and Procedures	3
CSIT 123	Introduction to Data Analytics	3
Total Units		**26**

Certificate of Proficiency

Accounting Assistant

This certificate introduces students to the basic components of billing, cost, and accounting functions. Most of the courses in this certificate can be applied to the Accounting and Bookkeeping Certificates of Achievement.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
ACCT 101	Practical Accounting	4
ACCT 104	Payroll Accounting	3
ACCT 148	QuickBooks	3
One of the following:		3-4
ACCT 102	Practical Accounting II	
ACCT 158	Business Mathematics	
CSIT 110	Computer Applications	
CSIT 128	Microsoft Excel for Business	
Total Units		**13-14**

Certificate of Proficiency

Computerized Accounting Applications

This certificate introduces students to the basic components of the most generally used computerized accounting systems in today's business settings. Most of the courses in this certificate can be applied to the accounting and bookkeeping certificates of achievement.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to analyze and record business transactions in the computerized accounting environment.

Course Requirements

Required courses:		
ACCT 104	Payroll Accounting	3
ACCT 148	QuickBooks	3
CSIT 120	Fundamentals of Computer Information Systems	3
or CSIT 128	Microsoft Excel for Business	
Total Units		**9**

Certificate of Proficiency

Income Tax Preparer

This certificate of proficiency is designed for entry-level tax preparer positions. All tax preparers in the State of California are required to demonstrate a minimum level of qualified tax education. This certificate allows students to apply for the California Registered Tax Preparer's certificate as well as introduces them to the process and requirements of becoming an IRS certified volunteer.

Program Student Learning Outcome

Upon successful completion of this certificate, the student will be able to meet the requirements for the California Registered Tax Preparers certificate as well as the IRS Tax Volunteer certificate.

Course Requirements

Required courses:		
ACCT 145	Individual Income Tax	4
ACCT 149	IRS Volunteer Preparation	2
Total Units		**6**

Certificate of Proficiency

Income Tax Professional

The Income Tax Professional Certificate trains students to work in an entry-level assistant position with an experienced tax preparer or a commercial tax preparation service.

Program Student Learning Outcome

Upon completion of this program, the student will be able to successfully analyze financial information and complete a moderately challenging tax return suitable for filing with both the IRS and the California Franchise Tax Board.

Course Requirements

Required courses:		
ACCT 145	Individual Income Tax	4
ACCT 146	Taxation of Business Entities	4

ACCT 147	Ethics, Representation, Practice, and Procedures	3
Total Units		**11**

Certificate of Proficiency

Payroll Professional

This certificate introduces students to the basic components of the payroll function. The courses in this certificate can be applied to the Certificate of Achievement in Bookkeeping.

Program Student Learning Outcome

Upon completion of this program, the student will be able to apply knowledge of applicable laws to compute payroll, complete federal and state tax schedules, and accurately prepare financial information for analysis and informed business decisions.

Course Requirements

Required courses:		
ACCT 101	Practical Accounting	4
or ACCT 201	Financial Accounting	
ACCT 104	Payroll Accounting	3
ACCT 158	Business Mathematics	3
Total Units		**10**

Courses

ACCT 101: Practical Accounting
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 4 hours.
Course Typically Offered: Fall, Spring, and Summer

This introduction to the field of accounting includes completion of an accounting cycle and related bookkeeping for sole proprietorship service and merchandising businesses. Topics include analyzing and recording business transactions, end-of-period adjustments, preparation of financial statements, and the closing process. The course also covers cash receipts, disbursements and control, and payroll, and it emphasizes a practical approach to accounting through problem solving.

ACCT 102: Practical Accounting II
Units: 4
Prerequisites: ACCT 101.
Acceptable for Credit: CSU
Lecture 4 hours.
Course Typically Offered: Spring

This course continues the introduction to accounting studied in ACCT 101. Topics include bookkeeping for sole proprietorship, partnership and corporate merchandising businesses with an emphasis on bad debts, notes receivable and payable, inventory, property, plant, equipment, and intangible assets, financial statement analysis, and cash flow. The course emphasizes a practical approach to accounting through problem solving.

ACCT 104: Payroll Accounting
Units: 3
Prerequisites: None
Advisory: ACCT 101 or ACCT 201
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course provides a comprehensive overview of federal and state payroll laws and their effect on payroll records and required government reports. Topics include laws affecting employers, human resource department procedures and record keeping, payroll accounting system procedures, and payroll forms and publications.

ACCT 145: Individual Income Tax
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 4 hours.
Course Typically Offered: Fall, Spring

This course covers federal and California individual income tax preparation and planning. Topics include filing status, exemptions, income and exclusions, business expenses, itemized deductions, credits, capital gains, depreciation, tax payments, California tax, IRS and FTB, and audits. This California Tax Education Council (CTEC) approved course fulfills the 60-hour "qualifying education" requirement for California tax preparers and prepares students to meet the federal guidelines for paid tax preparers.

ACCT 146: Taxation of Business Entities
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 4 hours.
Course Typically Offered: Fall

This course introduces the tax issues facing the various types of business entities that operate in the United States. It emphasizes the US tax code and regulations that relate to these entities, and it examines the transactions that most commonly affect them. This course also assists students in preparing to sit for the IRS Enrolled Agent exam.

ACCT 147: Ethics, Representation, Practice, and Procedures
Units: 3
Prerequisites: None
Advisory: ACCT 145 or ACCT 146
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course covers income tax issues that relate to the requirements of individuals who have the legal right to prepare tax returns on behalf of individuals, business entities, and estates and trusts. These requirements include ethical conduct, practice privileges, and assessment and appeal procedures that must be followed in representing clients before the IRS and other tax agencies. This course also assists students in preparing to sit for Part 3 of the IRS Enrolled Agent exam.

ACCT 148: QuickBooks
Units: 3
Prerequisites: None
Advisory: ACCT 101
Acceptable for Credit: CSU
Lecture 3 hours.
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.
Course Typically Offered: Fall

The IRS volunteer programs, Volunteer Income Tax Assistance (VITA) and Facilitated Self Assistance (FSA), offer accounting and business majors the opportunity to learn the valuable skill of tax preparation in a real world setting. Students apply their knowledge about existing tax law to prepare tax returns using IRS professional tax preparation software. Upon successful completion of the components of this course, students are eligible to become IRS-certified volunteers.

ACCT 158: Business Mathematics
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course meets the needs of business students who wish to gain proficiency in mathematical applications used in the business world. It prepares students for the study of accounting as well as for pre-employment mathematics tests common to office employment. Applications include trade and cash discounts, markups and markdowns, simple interest and simple discount, compound interest, annuities and sinking funds, consumer credit, building wealth through investments, mortgages, and insurance.

ACCT 201: Financial Accounting
Units: 4
Prerequisites: None
Advisory: ACCT 101
Enrollment Limitation: Not open to students with prior credit in ACCT 201H.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring, and Summer

This course explores what financial accounting is, why it is important, and how it is used by investors and creditors to make decisions. It covers the accounting information system and the recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the classified financial statements, and statement analysis. Topics include issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics. C-ID ACCT-110.

ACCT 202: Managerial Accounting
Units: 4
Prerequisites: ACCT 201.
Enrollment Limitation: Not open to students with prior credit in ACCT 202H.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring, and Summer

This course examines how managers use accounting information in decision-making, planning, directing operations, and controlling. It focuses on cost terms and concepts, cost behavior, cost structure, and cost-volume-profit analysis. Topics include profit planning, standard costs, operations and capital budgeting, cost control, and accounting for costs in manufacturing organizations. C-ID ACCT-120.

ACCT 204: Intermediate Accounting I
Units: 4
Prerequisites: ACCT 201.
Acceptable for Credit: CSU
Lecture 4 hours.
Course Typically Offered: Spring

Students study the conceptual framework of accounting as it relates to the recording, reporting, and disclosing of financial information related to asset valuation and income determination based on generally accepted accounting principles. The course emphasizes corporate financial statements and the accounting procedures used for measuring, recording, and reporting assets. It also covers recent developments in accounting standards and practice. Topics include the acquisition, valuation, and disposition of assets as well as income determination. This course is intended for students majoring in the field of accounting and those seeking additional education in preparation for the Certified Public Accounting (CPA) exam.

ACCT 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

ACCT 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Administration of Justice

The Administration of Justice discipline examines the structure, functions, laws and procedures, and decision-making processes of agencies that deal with crime management, such as police, prosecutors, courts, and correctional facilities.

Students take administration of justice courses to prepare for a criminal justice, criminology, or law enforcement major, to fulfill general education requirements, or for professional development. Career options include work in federal, state, and local law enforcement agencies, correctional agencies and institutions, and private security agencies.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: Suganya Sankaranarayanan
Dean: Annie Ngo
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/administration-of-justice/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/administration-of-justice/)

Department: Business
Office: Building OC3600, 760.795.6807

Full-Time Faculty

Ruben Gomez

Associate Degrees

Associate in Arts Degree

Law Enforcement

Students may earn the above-named associate degree by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 73)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Associate in Science Degree

Administration of Justice for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a criminal justice/criminology degree, an emphasis or option within a criminal justice/criminology degree, or a degree considered similar to criminal justice/criminology at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a criminal justice major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will be prepared for further academic study and transfer to a CSU baccalaureate degree program and/or employment in entry-level positions in the criminal justice system.

Course Requirements

Required Core (6 units):		
ADM 100	Introduction to the Administration of Justice *	3
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: Select two courses.		6-8
Any course not selected in List A.		
ADM 107	Introduction to Computer/Digital Forensics	
ADM 240	Written and Oral Communication in the Administration of Justice	
ADM 250	Police Field Operations	
ADM 260	Organized Crime, Gangs, and Terrorism	
BTEC 180	Biostatistics *	
or BUS 204	Business Statistics	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
or STAT C1000	Introduction to Statistics	
or STAT C1000E	Introduction to Statistics (Embedded Support)	
or STAT C1000H	Introduction to Statistics (Honors)	
PSYC C1000	Introduction to Psychology *	
or PSYC C1000H	Introduction to Psychology (Honors)	
SOCI C1000	Introduction to Sociology *	
or SOCI C1000H	Introduction to Sociology - Honors	
Total Units		**18-20**

* Course satisfies a general education requirement on the Cal-GETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the statistics and honors courses listed are also GE courses.

NOTES:

1. This is not an approved pathway for transfer to CSUSM. Please consult a counselor for more information on this major at CSUSM or refer to the articulation agreement at ASSIST.ORG (https://assist.org/).
2. Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Certificate

Certificate of Achievement

Law Enforcement

As the criminal justice system responds to the increasing complexities of our society, education becomes even more essential for those seeking careers as peace officers as well as for law enforcement personnel seeking advancement within the field. The law enforcement certificate includes courses covering the most significant knowledge, skills, and abilities that better facilitate a student's success in acquiring and being successful in law-enforcement related jobs. In addition, successful completion of the certificate requirements provides an excellent foundation for transfer and the pursuit of higher degrees in law-enforcement related fields.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
ADM 100	Introduction to the Administration of Justice	3
ADM 200	Concepts of Criminal Law	3
ADM 210	Criminal Procedures	3
ADM 220	Criminal Evidence	3
ADM 230	Policing in a Diverse and Multicultural Society	3
ADM 240	Written and Oral Communication in the Administration of Justice	3
Select at least 9 elective units from the following:		9
ADM 107	Introduction to Computer/Digital Forensics	
ADM 250	Police Field Operations	
ADM 260	Organized Crime, Gangs, and Terrorism	
ADM 270	Crime and Delinquency	
ADM 280	Criminal Investigation	
SOCI 105	Introduction to Justice Studies	
Total Units		**27**

Courses

ADM 100: Introduction to the Administration of Justice
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ADM 100H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course explores the roots of our current justice system and the interaction of its various subsystems (law enforcement/prosecution, judicial, and corrections). It emphasizes the organizational structure and legal consideration relevant to each subsystem. Topics include the origin of law, theories of crime causation, criminal procedure, and sentencing philosophies and alternatives. The course also introduces students to sources of criminal justice information and statistics. UC CREDIT LIMITATION: Credit for ADM 100/ADM 100H, SOC 105, or SOCI 105. C-ID AJ-110.

ADM 107: Introduction to Computer/Digital Forensics
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall

This course introduces students to computer/digital crime and abuse and the methods used to properly conduct a computer/digital forensics investigation. Designed for law enforcement investigators, corporate security officials, and network and computer security administrators, the course includes an overview of computer/digital forensics as a profession; the computer investigation process and related legal issues; the type and frequency of computer/digital-related crime; a basic overview of the Internet, networks, and network infrastructure protection; operating systems, data and disk structures, data acquisition and analysis, and technical writing; and a survey of computer/digital forensics tools.

ADM 200: Concepts of Criminal Law
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

The course explores the basic concepts of criminal law, including its philosophy and development, relationship to the US government's structure, elements of a crime, inchoate offenses, and capacities and defenses. The course covers specific violations and legal issues related to crimes against persons, property crimes, organized crime, white collar crime, environmental crime, public safety and terrorism offenses, alcohol and drug offenses, and offenses against justice and public administration. C-ID AJ-120.

ADM 210: Criminal Procedures
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

The course explores the basic concepts of criminal procedure with special emphasis on constitutional principles that apply to investigative techniques involving search and seizure, electronic surveillance, temporary detention, arrest, identification procedures, and interrogation. The course also covers legal issues that relate to initial entry into the judicial system, pre-trial, trial, sentencing, punishment, appeal, and post conviction relief. C-ID AJ-122.

ADM 220: Criminal Evidence
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on the various types of evidence and the rules governing admissibility in criminal proceedings with an emphasis on the Federal Rules of Evidence and the California Evidence Code. Topics include relevance, materiality, witness testimony, hearsay, impeachment, competence, chain of custody, and privileges. The course also addresses admissibility of evidence related to confessions, searches, in/out of court identifications, and other investigative techniques, including the criminal processes where admissibility is determined. C-ID AJ-124.

ADM 230: Policing in a Diverse and Multicultural Society
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course examines how diverse populations and multicultural communities affect the organization of law enforcement agencies and the relationships between police and the communities they serve. It emphasizes the history, issues, and challenges associated with policing in communities of diverse and multicultural populations, considering such factors as race, ethnicity, gender, religion, sexual orientation, age, social class, and culture. The course also explores strategies for improving communication skills and relationships between police and the community. C-ID AJ-160.

ADM 240: Written and Oral Communication in the Administration of Justice
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall

This course focuses on the written and oral communication skills necessary for success in the criminal justice system to include the application of relevant legal considerations. It emphasizes incident report writing, interview/interrogation documentation, and note-taking. The course also identifies and develops oral communication skills related to voluntary citizen contact, crisis intervention, custodial situations, and testimony.

ADM 250: Police Field Operations
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course focuses on the duties, responsibilities, and ethical considerations of patrol officers during field operations. It emphasizes the different types of patrol and investigations, commonly encountered situations, techniques employed to address those situations, and the legal authorities related to such actions. Topics include written and oral communication skills, interview/interrogation, report writing, use of force, trial preparation and testimony, and the officer's role in community policing practices and the criminal justice system in general.

ADM 260: Organized Crime, Gangs, and Terrorism
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course traces the origins and evolution of domestic and transnational organized criminal and terrorist enterprises. It emphasizes their illicit activities, including drug trafficking, vices, gangs, and international and domestic terrorism. The course explores the impact such activities and enterprises have had on society, law enforcement, homeland security, and US transnational relations.

ADM 270: Crime and Delinquency
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall

This course focuses on the nature and extent of the most significant types of criminal and delinquent behavior of juvenile offenders as well as the major theories and factors that may explain such behavior. The course also explores the origin and development of the juvenile justice system and examines the relevant crime control strategies, treatment and rehabilitation programs, and the criminal justice processes applicable to juvenile procedures. C-ID AJ-220.

ADM 280: Criminal Investigation
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on the fundamentals of criminal investigations, including investigative techniques relevant to particular types of crime (e.g., fingerprint/DNA collection, other scientific evidence, surveillances, eyewitness identification, interviews, interrogations, and searches) and the relevant legal and ethical considerations related to such techniques. The course reviews crime scene management and processing, including chain of custody issues and available scientific tests, with an emphasis on recording, collecting, and preserving physical evidence. Students also learn the importance of documentation and preparation for testimony at various legal proceedings. C-ID AJ-140.

ADM 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

ADM 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Anthropology

Anthropologists study what it means to be human from biological, sociocultural, and historical perspectives. 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 research/data analysis, social services, global health, education, journalism, advertising, international relations, government service, field research, contract archaeology, museums, zoological parks, and nonprofit organizations.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: John Phillips
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/anthropology/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/anthropology/)

Department: Social Science
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Keith Chan
Alexis Tucker Sade

Associate Degrees

Associate in Arts Degree

Anthropology for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for an anthropology degree, an emphasis or option within an anthropology degree, or a degree considered similar to anthropology at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as an anthropology major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcomes

Upon successful completion of this program, students will be able to do the following:

- Demonstrate an appreciation for the biological and cultural diversity of humans around the world.
- Evaluate how biological and cultural processes have shaped the human species.
- Compare and contrast methods for collecting and analyzing evidence across the subfields of anthropology as a science.

Course Requirements

Required courses:		
Students may choose to take ANTH C1001 or ANTH 1001H with or without the lab.		9-10
ANTH C1001	Introduction to Biological Anthropology *	
or ANTH C1001H	Introduction to Biological Anthropology - Honors	
ANTH C1001	Introduction to Biological Anthropology *	
or ANTH C1001H	Introduction to Biological Anthropology - Honors	
& ANTH C1001L	and Biological Anthropology Lab	
ANTH 102	Cultural Anthropology *	
ANTH 103	Introduction to Archaeology *	
List A (3 units minimum):		3-5
ANTH 105	Evolution of Human Behavior *	
ANTH 107	Gender, Sex, and Sexuality *	
ANTH 120	Global Health *	
BTEC 180	Biostatistics *	
or BUS 204	Business Statistics	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
or STAT C1000	Introduction to Statistics	
or STAT C1000E	Introduction to Statistics (Embedded Support)	
or STAT C1000H	Introduction to Statistics (Honors)	
List B: Select two courses not used from List A (minimum 6 units).		6-8
List C: Select one option (4 units).		4
BIO 210	Human Anatomy	
GEOG 155	Introduction to Geographic Information Systems and Techniques with Lab	

GEOL 101 & 101L	Physical Geology and Physical Geology Laboratory *	
Total Units		**22-27**

* Course satisfies a general education requirement on the Cal-GETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the statistics courses listed are GE courses.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Certificates

Certificate of Achievement

Global Health

Global health aims to improve human health and global health equity by promoting the development of innovative, interdisciplinary solutions to contemporary health challenges. Global health topics range from acute threats posed by pandemic-prone infectious diseases and unequal access to medical care and technology, to emerging crises arising from climate change and non-communicable diseases.

Students earning a certificate in global health develop a critical understanding of contemporary health challenges and inequities. Students will be able to explain how these challenges are rooted in historical experiences, global political-economic forces, and complex biological, ecological, and sociocultural circumstances. This knowledge will prepare students to propose, design, and develop innovative and equitable solutions to the most pressing health problems facing our modern world. To be effective, these solutions must extend across disciplines to everything from access to healthcare and biotechnologies to local, national, and international policy-making.

Students are strongly encouraged to work with a MiraCosta counselor to ensure that this pathway certificate is incorporated into their selected general education pattern.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to assess the myriad causes and consequences of contemporary global health challenges and inequities, including pandemics, maternal/child health, and non-communicable diseases.

Course Requirements

Required course:

ANTH 120	Global Health	3
Select one course (3 units).		3
ANTH C1001	Introduction to Biological Anthropology	
or ANTH C1001	Introduction to Biological Anthropology - Honors	
NUTR 100	Nutrition Today	
PSYC 260	Physiological Psychology	
Select one course (3 units).		3
ANTH 102	Cultural Anthropology	
CSIT 160	Technology, the Individual, and Society	
GEOG 104	World Geography	
Select one course (4-5 units).		4-5
BTEC 180	Biostatistics	
PSYC 104	Statistics for Behavioral Science	
PSYC 104H	Statistics for Behavioral Science (Honors)	
SOCI 125	Introduction to Statistics in Sociology	
STAT C1000	Introduction to Statistics	
STAT C1000E	Introduction to Statistics (Embedded Support)	
STAT C1000H	Introduction to Statistics (Honors)	
Total Units		**13-14**

Courses

ANTH C1001: Introduction to Biological Anthropology
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ANTH 101, ANTH C1001H, or ANTH 101H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students examine human origins, evolution, and variation with a focus on the adaptations of humans and other primates. Biological evolution and scientific methods are foundations for the course. Formerly ANTH 101. UC CREDIT LIMITATION: Credit for ANTH 101 or ANTH 101H. C-ID ANTH-110.

ANTH C1001H: Introduction to Biological Anthropology - Honors
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ANTH 101, ANTH C1001, or ANTH 101H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall odd years

In this course, students examine human origins, evolution, and variation with a focus on the adaptations of humans and other primates. Biological evolution and scientific methods are foundations for the course. This is an honors course. Formerly ANTH 101H. UC CREDIT LIMITATION: Credit for ANTH 101 or ANTH 101H. C-ID ANTH-110.

ANTH C1001L: Biological Anthropology Lab
Units: 1
Prerequisites: None
Corequisite: ANTH C1001 or ANTH C1001H.
Enrollment Limitation: Students who have not completed ANTH C1001 or ANTH C1001H must enroll concurrently. Not open to students with prior credit in ANTH 101LH.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

In this laboratory course, students investigate the anatomy, genetics, behavior, variation, and evolution of humans and other primates. Students apply the scientific method and use interactive exercises in this course supplement to the Introduction to Biological Anthropology lecture course. Formerly ANTH 101L. C-ID ANTH-115L.

ANTH 102: Cultural Anthropology
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ANTH 102H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course explores how anthropologists study and compare human cultures, including variation in subsistence patterns, social and political organization, economic systems, systems of communication, kinship and family structure, belief systems, aesthetic expression, and recognition of race, ethnicity, gender, and sexuality. Cultural anthropology also explores how cultures have been impacted by colonialism and are being shaped by globalization and demonstrates the value of the discipline in the form of applied anthropology. Anthropologists employ high ethical standards while exploring diversity in human culture and highlight the importance of understanding and appreciating that diversity. C-ID ANTH-120.

ANTH 103: Introduction to Archaeology
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course explores archaeological theory and method, including techniques of field excavations and laboratory analysis. It also uses archaeological data to understand cultures of the past, including Stone Age lifeways, early farming cultures, and emergent civilizations around the world, such as the ancient Egyptians, Maya, and Inca. The course also examines current issues in cultural resource management, ethics in archaeology, and the role of archaeology within the broader field of anthropology. C-ID ANTH-150.

ANTH 105: Evolution of Human Behavior
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ANTH 105H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course explores the biological basis and evolutionary value of human behavior. Students explore current research in genetics and epigenetics, neuroanatomy and endocrinology, along with studies of human culture and animal behavior, to understand phenomena such as human emotions, personality, parenting strategies, mating behaviors, and lifetime responses to stress.

ANTH 107: Gender, Sex, and Sexuality
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course explores and compares the diverse cultural categories of gender and sex, including their grounding in biological functions, belief systems, kinship, and popular representation across the globe. It explores sexuality as more than a biological process, viewing sexuality as a human cultural expression. This course contextualizes gender, sex, and sexuality within broader cultural systems as well as global interactions to understand how these categories are shaped and, in turn, shape our lives.

ANTH 120: Global Health
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course explores contemporary human health problems around the world, focusing on economic, political, historical, sociocultural, and environmental factors that underlie disparities. Global health analyzes the causes and consequences of the unequal burden of disease and disability, including infectious disease, climate change, women's health, and food insecurity. Employing an interdisciplinary approach, this course introduces major concepts, principles, and research methodology in global health.

ANTH 135: Magic, Witchcraft, and Religion
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course explores small-scale and customary supernatural beliefs, practices, and traditions from prehistory to the present. Focusing on indigenous and alternative spiritualities around the world, topics include shamanism; mysticism and divination; mortuary rituals; brujeria and magic; Vodou, Santeria, and other indigenous and syncretic religions; Paganism; supernatural healing including Curandurismo; magico-religious art; Vedic, Chinese, and Western astrology; peyote and other sacred entheogens; and new religious movements (NRMs).

ANTH 190: Primate Behavior and Ecology
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ANTH 190H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course explores principles of animal behavior and ecology from an evolutionary perspective. Topics include predator avoidance, foraging strategies, mating behaviors, mother-infant bonding, the development of social groups, culture and cognition, and current issues in conservation. The course also emphasizes research methodology through a semester-long project observing primates at the San Diego Zoo or through online alternatives.

ANTH 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Art

The Art Department offers theoretical and practical courses in the traditional disciplines of art and art history as well as in new genre and photographic arts. Students take art courses to prepare for a major in art or art history, to meet general education requirements, or for personal growth.

Career paths include working artist, teacher, graphic designer, photographer, sculptor, curator in a museum or gallery, conservator, appraiser, and work in related fields, such as marketing and advertising.

Academic and Career Pathway

Creative and Applied Arts (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/)

Contact Information

Chair: Xuchi Eggleton
Dean: Jonathan Fohrman
https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/art/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/art/)

Department: Art
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Leah Cluff
Xuchi Eggleton
Lauren Greenwald
Yoshimi Hayashi
Jonathan Marquis
Gilbert Neri
Dean Ramos

Associate Degrees

Associate in Arts Degree

Art History for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for an art history degree, an emphasis or option within an art history degree, or a degree considered similar to art history at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as an art history major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.

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

Program Student Learning Outcome

Upon completion of this program, the student will possess knowledge and mastery of a variety of art historical methodologies, be able to identify major movements in art and architecture, and be able to convey ideas and concepts about artwork, artists, and the socio-cultural milieu in which artworks were created.

Course Requirements

Required courses:		
ART 100	Drawing and Composition	3
ARTH C1100	Survey of Art from Prehistory to the Medieval Era *	3
ARTH C1200	Survey of Art from the Renaissance to Contemporary *	3
List A: Select one course.		3
ARTH 158	Indigenous Arts of Africa, Oceania, and the Americas *	
ARTH 159	Indigenous Arts of Central and South America *	
List B: Select one course.		3
ART 101	Design and Color	
ART 103	3D Design	
ART 203	Figure Drawing I	
ART 207	Film Photography I	
ART 216	Sculpture	
ART 225	Ceramics I	
ART 245	Digital Art and Media	
List C: Select one course.		3
ARTH 260	History of Modern Art *	
or ARTH 260H	History of Modern Art (Honors)	
ART 270	History and Theory of Museum and Gallery Exhibition	
ART 271	Museum and Gallery Exhibition	
Total Units		**18**

* Course satisfies a general education requirement Cal-GETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: The honors course is also a GE course.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Studio Arts for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a studio arts degree, an emphasis or option within a studio arts degree, or a degree considered similar to studio arts at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a non-participating CSU campus or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a studio arts major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will possess knowledge and mastery of a variety of art making skills, be able to identify major movements in art and architecture, and be able to convey ideas and concepts about artwork.

Course Requirements

Required Core (12 units):		
ART 100	Drawing and Composition	3
ART 101	Design and Color	3
ART 103	3D Design	3
ARTH C1200	Survey of Art from the Renaissance to Contemporary *	3
List A (select one course):		3
ARTH 158	Indigenous Arts of Africa, Oceania, and the Americas *	
ARTH C1100	Survey of Art from Prehistory to the Medieval Era *	
ARTH 260	History of Modern Art *	
ARTH 260H	History of Modern Art (Honors) *	
List B (select three courses):		9
ART 102	Drawing and Composition II	
ART 203	Figure Drawing I	
ART 204	Painting I: Oils	
ART 207	Film Photography I	
ART 210	Printmaking I	
ART 216	Sculpture	
ART 223	Woodworking and Furniture Design I	
ART 225	Ceramics I	
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 Cal-GETC general education pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Digital Photography

Students may earn the above-named associate degree by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 73)). 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.

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 Outcomes

Upon completion of this program, the student will be able to do the following:

- Identify major movements, artwork, and artists in historical and contemporary photography, and demonstrate understanding of different photo techniques.
- Possess photographic and digital imaging knowledge and be able to identify fine art and commercial career pathways and apply current, photographic technology using professional and industry standards.

Course Requirements

Required courses:		
ART 207	Film Photography I	3
ART 244	Digital Media for the Visual Artist	3
ART 251	Digital Photography	3
ART 253	Applied Digital Photography	3
Select at least 6 units from the following:		6
ART 208	Film Photography II	
ART 210	Printmaking I	
ART 245	Digital Art and Media	
ART 254	Understanding and Appreciating the Photographic Image	
ART 268	Film Photography III	
ART 269	Film Photography IV	
ART 292	Internship Studies	
ART 295	Visual Art/Professional Practice	
BUS 130	Entrepreneurship and Small Business Management	
MAT 110	Digital Imaging 1: Adobe Photoshop	
MAT 210	Advanced Digital Imaging & Illustration	
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 Art 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 Outcomes

Upon completion of this program, the student will be able to do the following:

- Analyze and communicate critically formulated ideas and concepts about the care, display, maintenance, and/or sale of object collections as commonly found in museums or galleries.
- Have documentable experience in the care, display, maintenance, and/or sale of object collections.

Required courses:		
ART 270	History and Theory of Museum and Gallery Exhibition	3
ART 271	Museum and Gallery Exhibition	3
Required - Choose 4 courses from the following (12 units):		12
ARTH 158	Indigenous Arts of Africa, Oceania, and the Americas	
ARTH 159	Indigenous Arts of Central and South America	
ART 254	Understanding and Appreciating the Photographic Image	
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	
ARTH C1200	Survey of Art from the Renaissance to Contemporary	
ARTH 260	History of Modern Art	
or ARTH 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	
BUS 130	Entrepreneurship and Small Business Management	

HIST C1001	United States History to 1877
or HIST C1001H	United States History to 1877 - Honors
HIST C1002	United States History since 1865
or HIST C1002H	United States History since 1865 - Honors
Total Units	**19-21**

Courses Related in Content (CRC)

Active participatory art courses that are related in content are grouped together. Students are allowed four enrollments within each CRC group, but each course may be taken only once unless its catalog description indicates it is repeatable. Enrollments include any combination of course completions (with an evaluative or nonevaluative symbol recorded on the student's transcript), withdrawals, and repetition.

Ceramics CRC	
ART 225	Ceramics I
ART 226	Ceramics II
ART 227	Ceramics III
ART 228	Ceramics IV
Design CRC	
ART 101	Design and Color
ART 201	Objects and Ideas in Contemporary Art
Digital CRC	
ART 244	Digital Media for the Visual Artist
ART 245	Digital Art and Media
Digital Photography CRC	
ART 251	Digital Photography
ART 253	Applied Digital Photography
Drawing CRC	
ART 100	Drawing and Composition
ART 102	Drawing and Composition II
ART 200	Drawing III
ART 203	Figure Drawing I
ART 213	Figure Drawing II
ART 263	Figure Drawing III
Film Photography CRC	
ART 207	Film Photography I
ART 208	Film Photography II
ART 268	Film Photography III
ART 269	Film Photography IV
Mixed Media Representation CRC	
ART 206	Mixed Media Figure Studies I
ART 211	Mixed Media Figure Studies II
ART 261	Mixed Media Figure Studies III
New Genre CRC	
ART 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
ART 265	Painting IV: Oils
Painting: Acrylic Media CRC	
ART 202	Painting I: Acrylic
ART 212	Painting II: Acrylic
ART 241	Painting III: Acrylic
ART 266	Painting IV: Acrylic
Painting: Water Based Media CRC	
ART 205	Painting I: Watercolor
ART 215	Painting II: Watercolor
ART 242	Painting III: Watercolor
ART 255	Painting IV: Watercolor
Printmaking CRC	
ART 210	Printmaking I
ART 218	Printmaking II
ART 221	Printmaking III
ART 222	Printmaking IV
ART 262	Introduction to Silkscreen
Sculpture CRC	
ART 103	3D Design
ART 216	Sculpture
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

Art Courses

ART 100: Drawing and Composition
Units: 3
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments among ART 100, ART 102, ART 200, ART 203, ART 213, and ART 263.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This beginning course develops basic drawing skills. Students explore a variety of media and creative approaches, and they improve their perceptual abilities and personal expression. The course covers problems of value, structure, and composition using a variety of themes. It also integrates art history, theory, and criticism. C-ID ARTS-110.

ART 101: Design and Color
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring, and Summer

Introduction to the two-dimensional arts. Students explore and learn the language of design principles and color theory through visual problem solving. They create design projects using critical analysis of art elements to visually communicate ideas. They also research, analyze, and evaluate elements of design and color in a range of art disciplines, while focusing on those of historical, theoretical and cultural relevance. Students are required to visit exhibitions, in person or online, at museums and/or the MiraCosta College gallery. C-ID ARTS-100, ARTS-270.

ART 102: Drawing and Composition II
Units: 3
Prerequisites: ART 100.
Enrollment Limitation: Maximum of four enrollments among ART 100, ART 102, ART 200, ART 203, ART 213, and ART 263.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course provides for the continued development of basic drawing skills introduced in ART 100. It emphasizes a creative approach using black and white and color media while exposing students to a variety of contemporary approaches toward space, scale, and content. The course also encourages students to develop personal expression through the combined manipulations of subject matter and materials. C-ID ARTS-205.

ART 103: 3D Design
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring, and Summer

In this sculpture course, students examine the language of three-dimensional form, structure, and space. The course develops personal expression, using a variety of themes and subject matter by ordering three-dimensional space through basic materials, such as clay, plaster, metal, and wood. It offers experiences with differing approaches within cultural contexts and integrates history, theory, and criticism, showing the interrelationship of the creative arts, humanities, and the self in Western and non-Western cultures. Materials Fee: $35. C-ID ARTS-101.

ART 104: Artists & Designers Now
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

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 200: Drawing III
Units: 3
Prerequisites: ART 102.
Enrollment Limitation: Maximum of four enrollments among ART 100, ART 102, ART 200, ART 203, ART 213, and ART 263.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This advanced drawing course focuses on contemporary drawing practices and conceptual thinking in the development of an individualized portfolio. Students apply subjective perspectives to selected subject matter and content using a variety of drawing media and large scale formats.

ART 201: Objects and Ideas in Contemporary Art
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall

Students create three-dimensional art projects using unconventional materials in tandem with traditional materials and methods. 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 are required to attend field trips (in the event of unforeseen cancellations, online investigations maybe assigned). Materials Fee: $35.00.

ART 202: Painting I: Acrylic
Units: 3
Prerequisites: None
Advisory: ART 100 or ART 101
Enrollment Limitation: Maximum of four enrollments among ART 202, ART 212, ART 241, and ART 266.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course covers composition, techniques, and theory of painting using acrylic paint. Students investigate various acrylic painting techniques, art historical traditions, and theoretical positions. Coursework includes lecture, lab, critique, and independent projects. Students are required to view exhibitions in person and/or online.

ART 203: Figure Drawing I
Units: 3
Prerequisites: None
Advisory: ART 100
Enrollment Limitation: Maximum of four enrollments among ART 100, ART 102, ART 200, ART 203, ART 213, and ART 263.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This beginning drawing course focuses on representation of the human figure. Students work from nude models and digital resources using materials such as charcoal, pencil, ink, and pastels. They learn how to depict action in quick gesture drawings as well as produce more complex tonal drawings with emphasis on composition and expression. Topics include basic anatomy, structure, and proportion with equal emphasis placed on line quality, value, and media control. C-ID ARTS-200.

ART 204: Painting I: Oils
Units: 3
Prerequisites: None
Advisory: ART 100 or ART 101
Enrollment Limitation: Maximum of four enrollments among ART 204, ART 214, ART 264, and ART 265.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

Students study past and present practices in painting and work from various subjects, including still life, landscape, figures, portraits, or mixed imagery, either from life or two-dimensional references. Learning to be creative and analytical in painting images and forms, students develop skills in painting techniques, color mixing, composition, design, and personal concepts using traditional or water-soluble oils. C-ID ARTS-210.

ART 205: Painting I: Watercolor
Units: 3
Prerequisites: None
Advisory: ART 100 or ART 101
Enrollment Limitation: Maximum of four enrollments among ART 205, ART 215, ART 242, and ART 255.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course investigates and experiences the unique characteristics of watercolor painting. Course topics explore compositional strategies, practical techniques, and theoretical concepts of painting using watercolor. Students study and apply various painting techniques, art historical traditions, and theoretical positions. Coursework includes lecture, lab, critique, and independent projects. Students are required to view exhibitions in person and/or online.

ART 206: Mixed Media Figure Studies I
Units: 3
Prerequisites: None
Advisory: ART 100 or ART 204
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall

Working from a posed model, students explore various approaches to representing the human figure using a choice of media, including oils, acrylics, ink, or pastels. Students study form and structure, inspired by the rich world traditions of art history, contemporary art practices, and individual creativity.

ART 207: Film Photography I
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This film photography course provides an in-depth study of the camera and its functions, working with film processing and printing techniques, lighting techniques, compositional and conceptual techniques, presentation, and exhibition of finished work. Areas of emphasis include black-and-white-photography, working with light-sensitive materials, exploring analog processes, and developing and executing photographic projects. Note: This is not a digital photography course, but in extreme or unusual circumstances, use of digital media may be integrated into instruction.

ART 208: Film Photography II
Units: 3
Prerequisites: ART 207.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course builds upon skills learned in Film Photography I (ART 207). Topics include intermediate and advanced techniques using a range of cameras and photographic processes. Students explore photography as a means of visual communication and creative expression, using darkroom materials, alternative photographic techniques, hybrid digital, and other analog processes to produce photographic work within a contemporary context. The course culminates with a professional portfolio of finished work.

ART 210: Printmaking I
Units: 3
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments between/among ART 210, ART 218, ART 221, ART 222, ART 262.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces woodcut, etching, lithography, and contemporary printmaking techniques. It emphasizes craftsmanship and individual expression and encourages experimentation in the use of materials.

ART 211: Mixed Media Figure Studies II
Units: 3
Prerequisites: ART 206.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall

This course provides students an opportunity to further their investigation of the human figure in contemporary painting. Objectives include the development of personal vision and alternative venues of expression. Students study twentieth and twenty-first century figurative artists, and they work from both live models and photographic references using a variety of mixed media, including oil or acrylic paint.

ART 212: Painting II: Acrylic
Units: 3
Prerequisites: ART 202.
Enrollment Limitation: Maximum of four enrollments among ART 202, ART 212, ART 241, and ART 266.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course emphasizes intermediate practices in acrylic painting. Students create expressive works using a variety of techniques and materials unique to acrylics. Students study historic and current painters and contemporary painting trends. The course utilizes digital technology for artistic research and development. Students are required to view exhibitions in person and/or online.

ART 213: Figure Drawing II
Units: 3
Prerequisites: ART 203.
Enrollment Limitation: Maximum of four enrollments among ART 100, ART 102, ART 200, ART 203, ART 213, and ART 263.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

In this intermediate life drawing course students create drawings of human figures, promoting visual acuity while exploring expressive drawing techniques and concepts in contemporary studio practice. The visual forms of the figure are strengthened through continued applications of two-dimensional drawing methods and practice. Figurative subjects are derived from nude models in the classroom, digital resources, and photos.

ART 214: Painting II: Oils
Units: 3
Prerequisites: ART 204.
Enrollment Limitation: Maximum of four enrollments among ART 204, ART 214, ART 264, and ART 265.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course emphasizes intermediate practices in oil painting to create artwork in a context of personal meaning, narrative, and relevance for portfolio development. Students study artworks specific to the history of oil painting and contemporary practice while building technical skill and exploring alternative methods and materials. The course introduces digital technology as a preparatory tool for artists.

ART 215: Painting II: Watercolor
Units: 3
Prerequisites: ART 205.
Enrollment Limitation: Maximum of four enrollments among ART 205, ART 215, ART 242, and ART 255.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course emphasizes intermediate practices in watercolor painting. Students continue to explore compositional methods while developing a portfolio of expressive paintings using techniques and materials unique to watercolor. Students study historic traditions and contemporary painters, trends, theoretical positions, and methods. This course utilizes digital and traditional technology for artistic research and development. Students are required to view exhibitions in person and/or online.

ART 216: Sculpture
Units: 3
Prerequisites: ART 103.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course concentrates on the exploration and refinement of a wide range of sculptural techniques and strategies, and it includes three-dimensional art theory. Students work with traditional mediums, such as clay, wood, and metal. The course also introduces students to installation and public works as well as time-based and kinetic art. Materials Fee: $35.00.

ART 218: Printmaking II
Units: 3
Prerequisites: ART 210.
Enrollment Limitation: Maximum of four enrollments between/among ART 210, ART 218, ART 221, ART 222, ART 262.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring, and Summer

Students study past and present practices in printmaking and a variety of techniques to further their skills in the medium. This course furthers students' knowledge of woodcut, etching, lithography, and contemporary printmaking techniques. It emphasizes print studio operations, particularly press maintenance and the formulation of wet materials.

ART 221: Printmaking III
Units: 3
Prerequisites: ART 218.
Enrollment Limitation: Maximum of four enrollments between/among ART 210, ART 218, ART 221, ART 222, ART 262.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring, and Summer

In this advanced-level printmaking course, students study past and present practices in printmaking and a variety of techniques to further their skills in the medium and their knowledge of woodcut, etching, lithography, and contemporary printmaking techniques. The course covers non-traditional print methods as well as mixed media printing and emphasizes print studio operations, particularly press maintenance, and the formulation of wet materials.

ART 222: Printmaking IV
Units: 3
Prerequisites: ART 221.
Enrollment Limitation: Maximum of four enrollments between/among ART 210, ART 218, ART 221, ART 222, ART 262.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is designed for semi-professional students wishing to major in art with an emphasis in printmaking. Students work closely with the instructor to create a cohesive body of work for a portfolio or exhibition. The course emphasizes documenting and analyzing one's artwork. Students should contact the instructor prior to enrollment to discuss topics related to the medium. Students are required to visit exhibitions and attend field trips to view artworks.

ART 223: Woodworking and Furniture Design I
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course teaches woodworking skills and covers the nature of hardwoods and softwoods, the mechanics of shaping/joining, and the proper and safe use of hand and power tools. It examines both traditional and contemporary work and emphasizes the creation of individual, unique designs. Students are required to pay a materials fee. Materials Fee: $60.

ART 224: Woodworking and Furniture Design II
Units: 3
Prerequisites: ART 223.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

Students continue developing their woodworking skills by examining traditional and contemporary woodworking designs and practices and by learning intermediate-level hand and power tool techniques. The course emphasizes studio operations, particularly safety and electric and hand operated machine maintenance. It requires students to express concepts and ideas through the wood medium. Materials Fee: $65.

ART 225: Ceramics I
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This introductory ceramics course explores techniques, materials, and traditions of pottery. It emphasizes hand building and/or use of the potter's wheel and encourages the creative use of clay, glaze, technique, and firing. Materials Fee: $40.

ART 226: Ceramics II
Units: 3
Prerequisites: ART 225.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

Students study past and present practices in ceramics with a variety of techniques and clay bodies to further their skills in the medium. The course places a strong emphasis on ceramics studio operations, particularly the formulation of clay bodies and glazes. Topics include firing and construction of kilns. The course emphasizes combining hand building and throwing techniques to produce artworks. Materials Fee: $40.00.

ART 227: Ceramics III
Units: 3
Prerequisites: ART 226.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This advanced-level ceramics course focuses on ceramics studio operations, particularly the formulation of clay bodies and glazes. Topics may include alternative firings and construction of kilns. The course emphasizes combining hand building and/or throwing techniques to produce artworks. The course covers a broad definition of ceramics as a medium and investigates mixed medium designs. Materials Fee: $40.00.

ART 228: Ceramics IV
Units: 3
Prerequisites: ART 227.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, 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. Materials Fee: $40.00.

ART 229: Woodworking and Furniture Design III
Units: 3
Prerequisites: ART 224.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This advanced woodworking and furniture design course requires students to express concepts and ideas through the wood medium. Students continue developing their woodworking skills by examining traditional and contemporary woodworking designs and practices and applying these references into their work. Topics include advanced-level hand and/or power tool techniques, studio operations, particularly safety and electric and hand operated machine maintenance, and mixed media woodworking techniques. Materials Fee: $60.

ART 232: Video Art
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall even years

This course introduces video as a medium of artistic expression, personal narrative, and cultural inquiry. Students examine the art-historical origins of video and its evolution over time as well as its place in contemporary art. Through a project-based structure, students learn historical, theoretical, and creative uses of video art through hands-on video capture, editing, and presentation in a gallery setting.

ART 234: Kinetic Art
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall even years

This course covers the history and practice of movement in art. It combines the use, study, and practice of movement, machines, and performance as a means of personal expression, social intervention, political act, and cultural reclamation and as a noncommercial strategy of contemporary art. Students design, plan, and exhibit kinetic artworks that pertain to the historical movements covered.

ART 239: Woodworking and Furniture Design IV
Units: 3
Prerequisites: ART 229.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course is designed for semi-professional students wishing to major in art with an emphasis in woodworking and furniture design. Students work closely with the instructor to create a cohesive body of work for a portfolio or exhibition. The course emphasizes documenting and analyzing one's artwork. Students should contact the instructor prior to enrollment to discuss topics related to the medium. Materials Fee: $60.00.

ART 241: Painting III: Acrylic
Units: 3
Prerequisites: ART 212.
Enrollment Limitation: Maximum of four enrollments among ART 202, ART 212, ART 241, and ART 266.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, 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. Students are required to view exhibitions in person and/or online.

ART 242: Painting III: Watercolor
Units: 3
Prerequisites: ART 215.
Enrollment Limitation: Maximum of four enrollments among ART 205, ART 215, ART 242, and ART 255.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, 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. Students are required to view exhibitions in person and/or online.

ART 244: Digital Media for the Visual Artist
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This studio art course investigates the intersection of visual representation, contemporary art, digital imaging, and time-based artwork from an aesthetic, historical, and artistic perspective for the contemporary artist. Technical instruction, through the use of digital imaging software such as Adobe Photoshop, supports the study of artistic and theoretical principles. Students develop problem-solving and visual strategies that deepen their understanding of the connection between technology, personal expression, and the universal language of art. Projects emphasize the creation of original artwork with current software and hardware solutions.

ART 245: Digital Art and Media
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

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: $20.00) C-ID ART-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.
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 industry standard hardware and software. Students learn editing techniques appropriate for print and electronic presentations. The course addresses ethical considerations regarding image manipulation and ownership. Students may use digital camera images, scanned negatives, or slides to produce a final print portfolio.

ART 253: Applied Digital Photography
Units: 3
Prerequisites: ART 251.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course provides students with the opportunity to apply skills acquired in ART 251 while developing a personal style. It offers a continued study of photographic theory, composition, content development, digital camera/hardware handling, studio lighting, and industry standards for color management, along with archival inkjet printing techniques. Students explore photography as a visual language and expressive medium, and they observe industry practices through onsite visits to local business, galleries, and service bureaus. The course culminates with the creation and production of a professional portfolio of photographs.

ART 254: Understanding and Appreciating the Photographic Image
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course surveys the history of still photography from the discipline's inception to the present digital age. It explores the medium of photography as a form of visual communication in historical, socio-political, and cultural contexts. Topics include the evolution of photographic images, process, delivery, and meaning. Students develop visual literacy through verbal and written analyses.

ART 255: Painting IV: Watercolor
Units: 3
Prerequisites: ART 242.
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course is designed for advanced students wishing to major in art with an emphasis in painting. Students work closely with the instructor to create a cohesive body of watercolor paintings for a portfolio or exhibition. The course emphasizes documenting and analyzing one's work. Students should contact the instructor prior to enrollment to discuss topics related to the medium. Students are required to view exhibitions in person and/or online.

ART 261: Mixed Media Figure Studies III
Units: 3
Prerequisites: ART 211.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall

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.

ART 262: Introduction to Silkscreen
Units: 3
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments between/among ART 210, ART 218, ART 221, ART 222, ART 262.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course introduces silkscreen, or serigraphy, within contemporary printmaking applications for the creation of multicolor prints using water-based techniques. The course includes instruction in direct and indirect methods of screen production, focusing on photo-based processes, as well as manual and digital applications. Course content includes demonstrations of technique, critiques, discussions, lectures, studio work, and visiting artist lectures. It emphasizes craftsmanship and individual expression and encourages experimentation in the use of materials.

ART 263: Figure Drawing III
Units: 3
Prerequisites: ART 213.
Enrollment Limitation: Maximum of four enrollments among ART 100, ART 102, ART 200, ART 203, ART 213, ART 263.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

Students in this advanced course create drawings of human figures in the classroom and from invented, found, and appropriated sources. Students further develop technical and conceptual skills acquired in previous courses, learn new techniques, and produce a series of works that exhibit awareness of contemporary figure drawing. The course emphasizes self-expression and experimentation as students develop their own style and portfolios. Field trips to gallery and museum exhibitions are required.

ART 264: Painting III: Oils
Units: 3
Prerequisites: ART 214.
Enrollment Limitation: Maximum of four enrollments among ART 204, ART 214, ART 264, and ART 265.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, 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 coursework.

ART 265: Painting IV: Oils
Units: 3
Prerequisites: ART 264.
Enrollment Limitation: Maximum of four enrollments among ART 204, ART 214, ART 264, and ART 265.
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course is designed for advanced students wishing to major in art with an emphasis in painting. Students work closely with the instructor to create a cohesive body of oil paintings for a portfolio or exhibition. The course emphasizes documenting and analyzing one's work. Students should contact the instructor prior to enrollment to discuss topics related to the medium. Students are required to view exhibitions in person and/or online.

ART 266: Painting IV: Acrylic
Units: 3
Prerequisites: ART 241.
Enrollment Limitation: Maximum of four enrollments among ART 202, ART 212, ART 241, and ART 266.
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course is designed for advanced students wishing to major in art with an emphasis in painting. Students work closely with the instructor to create a cohesive body of acrylic paintings for a portfolio or exhibition. The course emphasizes documenting and analyzing one's work. Students should contact the instructor prior to enrollment to discuss topics related to the medium. Students are required to view exhibitions in person and/or online.

ART 268: Film Photography III
Units: 3
Prerequisites: ART 208.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course builds upon skills learned in Film Photography II (ART 208). In this advanced-level photography course, students study historical and contemporary practices in image-making and a variety of techniques to further their skills in the medium. The course covers non-traditional and alternative printing processes as well as incorporating digital tools and mixed-media approaches, and it emphasizes the development of a broader definition of photographic practice within the student's skill set. The course culminates with a professional portfolio of finished work.

ART 269: Film Photography IV
Units: 3
Prerequisites: ART 268.
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course is designed for advanced students wishing to major in art with an emphasis in photography. Students work closely with the instructor to create a cohesive body of work for a portfolio or exhibition. The course emphasizes production, documentation, and analyzing one's artwork and is intended to aid in preparing a portfolio for application for transfer into a university program. Students should contact the instructor prior to enrollment to discuss topics related to the medium. Students are required to visit exhibitions and attend field trips to view artworks and advance their understanding of contemporary art and practice. Students are required to produce a final portfolio or exhibition at the end of the semester.

ART 270: History and Theory of Museum and Gallery Exhibition
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course introduces students to the history of museum and gallery exhibitions as well as to the theories behind historical and contemporary museum and gallery exhibition design. It relates these ideas to art exhibitions and to those in anthropological and science collections. Topics include the history of exhibition and display, exhibition design and layout, collections management, and publicity. Museum visits may be required.

ART 271: Museum and Gallery Exhibition
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Spring

This course introduces students to the practical requirements of operating a museum or gallery. It provides detailed information about museum and gallery departments and roles as well as experiences with planning, designing, installing, and publicizing exhibitions. The class is responsible for an end-of-semester professional exhibition.

ART 290: Landmarks of Art
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course examines art and architecture on-site within cultural and historical contexts. It surveys selected periods of Western and non-Western traditions and emphasizes understanding the visual arts representing the tradition and evolution of a culture, from ancient to contemporary periods. The course incorporates field trips to local artistic landmarks and emphasizes art appreciation in travel experiences. The course includes preparatory lectures and on-site discussions. Students are required to attend several field trips and provide their own transportation to each site. Field trip dates and locations will be announced on the first class meeting.

ART 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Spring odd years

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 work/intern at a new site upon each enrollment.

ART 295: Visual Art/Professional Practice
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Spring

Designed for the student artist, this course examines professional practices, career goals, and educational choices in the visual arts. Students produce a professional portfolio that includes documentation of artwork, resume, an artist statement and biography, digital image files, and printed images. Students also collaboratively organize, prepare, and produce an exhibition in a gallery setting. Field trips are required.

ART 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Art History Courses

ARTH C1100: Survey of Art from Prehistory to the Medieval Era
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ART 259.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to visual art and architecture from prehistory to the medieval era with a focus on art from Europe, North Africa, and the near East. The course will further consider global interactions involving these regions. It emphasizes the content and stylistic aspects of major art works in painting, sculpture, architecture, and craft media. Formerly ART 258. C-ID ARTH-110.

ARTH C1200: Survey of Art from the Renaissance to Contemporary
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ART 258.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course provides an overview of art and architecture from the Renaissance to the contemporary period with a focus on art from Europe. The course will further consider global interactions involving this region. Students examine how religious, cultural, and philosophical aspects of European and American society impacted and were influenced by art and architecture during this time. Formerly ART 259. C-ID ARTH-120.

ARTH 157: Art Orientation
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ART 157
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This basic art appreciation course introduces world art forms, techniques, traditions, and aesthetics. It emphasizes global art in historical and cultural contexts. Students examine visual artworks from a variety of cultures related to religion, politics, identity, and the natural and built environments. Formerly ART 157.

ARTH 158: Indigenous Arts of Africa, Oceania, and the Americas
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ART 158
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces the indigenous 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. Formerly ART 158. C-ID ARTH-140.

ARTH 159: Indigenous Arts of Central and South America
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ART 159 or ART 159H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course covers the arts of the indigenous peoples of Mesoamerica and South America. It surveys the various cultures of those areas from ancient periods to the points of European contact, emphasizing content and style of materials in diverse media. Formerly ART 159. C-ID ARTH-145.

ARTH 260: History of Modern Art
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ART 260 or ART 260H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course covers European and American art forms, primarily painting, sculpture, and architecture, from the beginning of modernism in the mid-19th century to contemporary art in the 21st century. Students learn to delineate themes, styles, and techniques indicative of various time periods and to differentiate among 20th and 21st century art movements. UC CREDIT LIMITATION: Credit for ART 260, ART 260H, ARTH 260, or ARTH 260H. Formerly ART 260. C-ID ARTH-150.

ARTH 260H: History of Modern Art (Honors)
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ART 260 or ART 260H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring odd years

This honors course introduces 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, ART 260H, ARTH 260, or ARTH 260H. Formerly ART 260H. C-ID ARTH-150.

Astronomy

Astronomy, the oldest of scientific studies, has played a vital role in the development of modern science. Astronomers study the formation, composition, and evolution of various objects, such as planets, stars, galaxies, nebulae, black holes, and the universe itself. Students take astronomy courses to prepare for a major in astronomy or to fulfill general education requirements.

Career options include, but are not limited to, science journalist, museum or planetarium director, observatory technician, telescope operator, optics or electronics technician, computer programmer, mathematician, formal or informal educator, spacecraft or instrument engineer, mission data analyst, earth or space scientist, and astronomer/astrophysicist.

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Contact Information

Chair: Erika Peters(Physical Sciences)
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/astronomy/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/astronomy/)

Department: Physical Sciences
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Rica Sirbaugh French

Courses

ASTR C1001: Introduction to Astronomy
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in: ASTR 101.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces fundamental concepts of astronomy, including the Solar System, stars, supernovae, galaxies, black holes, and the expanding universe. Students learn how to study the cosmos and what the latest discoveries reveal about the origins and fate of the universe. The course surveys the entire universe while emphasizing the nature and process of physical science. Additional topics include Newton's laws and gravitation, historical astronomy, electromagnetic radiation, optics and telescopes, cosmology, and astrobiology. Formerly ASTR 101.

ASTR C1001L: Introduction to Astronomy Lab
Units: 1
Prerequisites: None
Corequisite: ASTR C1001.
Enrollment Limitation: Completion of or concurrent enrollment in ASTR C1001 or other locally approved astronomy lecture course. Not Open to students with prior credit in ASTR 101L.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This laboratory course reinforces fundamental principles and concepts of astronomy by applying the scientific method through experiments, observations, and/or simulations. This is a hands-on introduction to the methods and techniques of observational astronomy and data/error analysis. It emphasizes the collection, presentation, and interpretation of astronomical observations. Students learn to use a planisphere, read star charts, and operate small telescopes. Through indoor activities, computer simulations, and by making naked-eye, binocular, and telescopic observations, students explore such topics as seasons, lunar phases, rotation of the Earth, optics, light and spectroscopy, planets, stars, galaxies, and cosmology. Formerly ASTR 101L.

ASTR 120: Life in the Universe
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This introductory course surveys the study for life in the universe from the Big Bang to implications of contact with an extraterrestrial civilization while emphasizing the nature and process of physical science. Topics include the formation and evolution of the universe; origin, evolution, and nature of life on Earth; the definitions of "life" and "habitability"; potential in our solar system and beyond; methods of interstellar communication and travel; implications of contact; science vs. pseudoscience; and the status of the search to-date.

ASTR 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Athletics

Athletics courses emphasize advanced-level instruction and training in skills, techniques, strategies, and leadership necessary to participate in intercollegiate athletics.

Academic and Career Pathway

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

Contact Information

Dean: Nick Mortaloni
https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/athletics/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/athletics/)

Office: Building OC34220, 760.757.2121 ext. 6260

Courses

ATHL 100: Volleyball Techniques
Units: 0.5-1
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Summer

This activity class integrates volleyball theory with practice in game situations. Topics include volleyball techniques, strategies, and rules. May be repeated three times. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 102: Intercollegiate Volleyball, Women
Units: 3.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 10.50 hours.
Course Typically Offered: Fall

This class emphasizes advanced-level instruction and training in volleyball skills, techniques, strategies, and leadership. Students develop team-playing skills by interacting with opponents, teammates, coaches, and officials. May be repeated three times. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 103: Intercollegiate Beach Volleyball, Women
Units: 3.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 10.50 hours.
Course Typically Offered: Spring

This course emphasizes advanced-level instruction and training in beach volleyball. Students develop skills, techniques, and strategies that are applied to intercollegiate beach volleyball competition. May be repeated three times. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 104: Beach Volleyball Techniques
Units: 1
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Summer

This activity class integrates beach volleyball techniques with practice of in-game situations. Topics include beach volleyball fundamental techniques, strategies, and rules. (May be repeated three times.)

ATHL 105: Beach Volleyball Competition
Units: 1
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall

This class emphasizes advanced-level instruction and training in beach volleyball skills, techniques, strategies, and leadership. Students apply beach volleyball rules to game situations and integrate strategies into competition and team play. (May be repeated three times.)

ATHL 117: Basketball Competition
Units: 0.5-1
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall

This class emphasizes advanced-level instruction and training in basketball skills, techniques, strategies, and leadership. Students apply basketball rules to game situations and integrate strategies into competition and team play. May be repeated three times. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 118: Basketball Techniques
Units: 0.5-1
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Spring

This activity class integrates basketball theory with practice in game situations. Topics include basketball techniques, strategies, and rules. May be repeated three times. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 134: Soccer
Units: 0.5-1
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Spring

This soccer class emphasizes basic fundamentals of individual play such as ball control, dribbling, trapping, shooting, and passing. The course exposes students to the basic rudiments of offensive and defensive tactics through participation in game situations, often using modified rules to emphasize specific skills, and it introduces and reviews the rules of the game in context. May be repeated three times. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 135: Soccer Competition
Units: 1
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Spring, Summer

This class emphasizes advanced-level instruction and training in soccer skills, techniques, strategies, and leadership. Students apply soccer rules to game situations and integrate strategies into competition and team play. May be repeated three times. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 171: Intercollegiate Basketball, Men/Women
Units: 2
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 6 hours.
Course Typically Offered: Fall

This class emphasizes an intermediate level of instruction and training in basketball skills, techniques, strategies, and leadership. Students develop team-playing skills by interacting with opponents, teammates, coaches, and officials. Students develop increased proficiency and skill development with each repetition. May be repeated three times. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 172: Intercollegiate Basketball, Men/Women (Advanced)
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 4.50 hours.
Course Typically Offered: Spring

This class emphasizes instruction and training in advanced basketball skills, techniques, strategies, and leadership. Students develop team-playing skills by interacting with opponents, teammates, coaches, and officials. Students develop increased proficiency and skill development with each repetition. May be repeated three times. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

ATHL 188: Intercollegiate Soccer, Men/Women
Units: 3.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 10.50 hours.
Course Typically Offered: Fall

This class emphasizes an advanced level of instruction and training in soccer skills, techniques, and strategies. Students demonstrate increased proficiency and skill attainment with each repetition. May be repeated three times. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

Automotive Technology

The Automotive Technology program prepares students for entry-level automotive mechanic positions and provides training for persons already employed in the industry. The program offers training resources and curriculum from foreign and domestic auto manufacturers.

Automotive courses also prepare students for various state licenses and national certifications, including tests administered by Automotive Service Excellence (ASE). Career options include auto mechanic/repair technician, professional automotive detailer, service manager, and parts specialist. Potential employers include automotive dealerships and independent repair facilities.

Academic and Career Pathway

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

Contact Information

Chair: Paul Katson
Dean: Annie Ngo
https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/automotive-technology/

Department: Automotive Technology
Office: Building OC3600, 760.795.6807

Full-Time Faculty

Ignacio Castaneda Garcia
Paul Katson

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. 73)). 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

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

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.

Course Requirements

Required courses:		
AUTO 130	Basic Engine Performance	2
AUTO 135	Auto Electronic Fundamentals	4
AUTO 235	Electronic Engine Controls and Accessories	4
Select one of the following:		3-4
AUTO 125	CA Smog Technician Engine and Emission Control - Level 1	

AUTO 220	HVAC Heating, Ventilation, and Air Conditioning	
Total Units		**13-14**

Certificate of Achievement

Automotive/Motorcycle Maintenance and Light Repair

This four course certificate of achievement is designed to serve students who wish to learn automotive, small engine, and motorcycle maintenance and light repair. It is designed to afford students with limited time and/or economic constraints the means to quickly enter the industry as an entry level lube tech, lot porter, detailer, parts counter salesperson, technician's assistant, or entrepreneur.

Program Student Learning Outcome

Upon completion of this program, students will be prepared to pass the G1 ASE examination.

Course Requirements

Required courses:		
AUTO 100	Basic Motorcycle Maintenance and Small Engine Repair	4
AUTO 102	Preventive Maintenance and Engine Performance	4
AUTO 105	Automotive Reconditioning and Detailing	4
AUTO 135	Auto Electronic Fundamentals	4
Total Units		**16**

Certificate of Achievement

Automotive Technology

This certificate is designed to prepare students for entry-level auto mechanic positions at local dealerships and independent repair facilities. Courses are designed to prepare students for various state licenses and national certification. After completion of these courses, students are qualified to take the Automotive Service Excellence (ASE) tests in engine performance, engine repair, brakes, and steering and suspension, and they will possess entry-level service and repair skills on hybrid and alternative-fuel powered vehicles. Students interested in the ASE Certificate as a Master Automobile Technician need to complete other specific courses listed in the catalog to prepare for the additional test areas.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
AUTO 135	Auto Electronic Fundamentals	4
AUTO 140	Automotive Engine Technology	4
AUTO 141	Automotive Engine Performance and Drivability	4
AUTO 160	Automotive Suspension, Steering, and Alignment	4
AUTO 161	Automotive Brake Service and Repair	4
AUTO 200	Automotive Electric and Hybrid Vehicles	4
Total Units		**24**

Certificate of Achievement

California Smog Check Technician

The California Smog Check Technician certificate prepares students for the California Smog Technician Licensing Examination and entry-level positions as smog check technicians and positions in the automotive reconditioning field.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
AUTO 102	Preventive Maintenance and Engine Performance	4
AUTO 125	CA Smog Technician Engine and Emission Control - Level 1	4
AUTO 225	Smog Check Training Inspection Procedures - Level 2	2
Please select one course from the following:		3-4
AUTO 105	Automotive Reconditioning and Detailing	
AUTO 205	Automotive Reconditioning and Paint Fundamentals	
BUS 135	Personal Selling	
Total Units		**13-14**

Certificate of Achievement

Electric, Hybrid, and Alternative-Fuel Vehicle Technician

This certificate qualifies students for entry-level employment as electric, hybrid, and alternative-fuel vehicle technicians. Students learn the theory, safety, and hands-on procedures for maintenance, service, and repair of full electric, hybrid electric, hydrogen electric, and alternative-fuel powered vehicles. The certificate program requires basic courses in the automotive technologies utilized by all electric and hybrid vehicles, including automotive electrical, engine performance, alignment, suspension, and brakes.

Program Student Learning Outcome

Upon successful completion of this program, students will be prepared to pass the ASE A4, A5, A6, and L3 national examinations.

Course Requirements

Required courses:		
AUTO 130	Basic Engine Performance	2
AUTO 135	Auto Electronic Fundamentals	4

AUTO 160	Automotive Suspension, Steering, and Alignment	4
AUTO 161	Automotive Brake Service and Repair	4
AUTO 200	Automotive Electric and Hybrid Vehicles	4
AUTO 201	Alternative Fuel Vehicles	2
Total Units		**20**

Certificate of Achievement

Master Technician

Students interested in the ASE Certificate as a Master Technician need to complete all of the required courses for the MiraCosta College Automotive Technology Certificate of Achievement as well as several other courses to prepare for the additional test areas. Students may earn the MiraCosta College Master Technician Certificate of Achievement by completing the following courses.

Program Student Learning Outcome

Upon completion of this program, students will be proficient in theory, practiced in hands-on service, and sufficiently prepared to pass the national ASE examination for each of the courses which make up the certificate of achievement.

Course Requirements

Required courses:		
AUTO 105	Automotive Reconditioning and Detailing	4
or AUTO 125	CA Smog Technician Engine and Emission Control - Level 1	
AUTO 135	Auto Electronic Fundamentals	4
AUTO 140	Automotive Engine Technology	4
AUTO 141	Automotive Engine Performance and Drivability	4
AUTO 155	Manual Transmissions and Transaxles	4
AUTO 156	Automatic Transmissions and Transaxles	4
AUTO 160	Automotive Suspension, Steering, and Alignment	4
AUTO 161	Automotive Brake Service and Repair	4
AUTO 200	Automotive Electric and Hybrid Vehicles	4
or AUTO 235	Electronic Engine Controls and Accessories	
AUTO 205	Automotive Reconditioning and Paint Fundamentals	2-4
or AUTO 225	Smog Check Training Inspection Procedures - Level 2	
AUTO 220	HVAC Heating, Ventilation, and Air Conditioning	3
Total Units		**41-43**

Certificate of Proficiency

Automotive Electronics

This certificate prepares students for the Automotive Service Excellence (ASE) Electrical/Electronic Systems (A6) examination as well as for entry-level employment in electrical and electronic areas of the automotive service industry.

Program Student Learning Outcome

Upon completion of this program, students will be proficient in the theory and application of basic and advanced automotive electrical systems.

Course Requirements

Required courses:		
AUTO 135	Auto Electronic Fundamentals	4
AUTO 235	Electronic Engine Controls and Accessories	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

Upon completion of this program, students will be proficient in basic automotive knowledge and relative business practices.

Course Requirements

Required courses:		
AUTO 102	Preventive Maintenance and Engine Performance	4
BUS 135	Personal Selling	3
Total Units		**7**

Certificate of Proficiency

Automotive Repair: Drive-Train Specialist

This certificate prepares students for entry-level auto mechanic positions at local dealerships and independent repair facilities. The program focuses on diagnosis and repair of internal engine components for domestic and import vehicles. Students take apart engines and transmissions and put them back together from the ground up. This certificate prepares students for the Automotive Service Excellence (ASE) examinations for engine repair and automatic and manual transmissions.

Program Student Learning Outcome

Upon completion of this program, students will be proficient in the theory and practice of heavy line/drive-train service and repair.

Course Requirements

Required courses:		
AUTO 130	Basic Engine Performance	2
AUTO 140	Automotive Engine Technology	4
AUTO 155	Manual Transmissions and Transaxles	4

AUTO 156	Automatic Transmissions and Transaxles	4
Total Units		**14**

Certificate of Proficiency

Automotive Alignment, Brakes, and Suspension

This certificate prepares students for the Automotive Service Excellence (ASE) Suspension and Steering (A4) and Brakes (A5) examinations and for entry-level employment in the suspension and brake areas of the automotive service industry.

Program Student Learning Outcome

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.

Course Requirements

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

Upon completion of this program, students will be proficient in the theory and practice of engine repair and engine performance.

Course Requirements

Required courses:		
AUTO 140	Automotive Engine Technology	4
AUTO 141	Automotive Engine Performance and Drivability	4
Total Units		**8**

Certificate of Proficiency

Electric Vehicle, Hybrid Vehicle, and Engine Performance

This certificate prepares students for entry-level positions at automotive facilities that service and repair internal combustion, electric, and hybrid vehicles.

Program Student Learning Outcome

Upon completion of this program, students will qualify for entry level positions at automotive facilities that service and repair electric, hybrid, and alternative fuel vehicles.

Course Requirements

Required courses:		
AUTO 102	Preventive Maintenance and Engine Performance	4
AUTO 130	Basic Engine Performance	2
AUTO 200	Automotive Electric and Hybrid Vehicles	4
Total Units		**10**

Courses

AUTO 100: Basic Motorcycle Maintenance and Small Engine Repair
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall

This introductory course combines theory with practical experience to provide students with the necessary skills to perform two- and four-cycle small engine maintenance, tune-up, and repair. The course covers the operation, maintenance, and repair of landscaping management equipment as well as an intensive study of the theory and repair of motorcycle systems. The course is designed for students without small engine experience and those who wish to acquire entry level skills in motorcycle maintenance and repair.

AUTO 102: Preventive Maintenance and Engine Performance
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

Designed to develop an understanding of the operation, care, preventive maintenance, and light repair of the automobile, this course covers all major systems and components, including tires, wheels, brakes, suspensions, characteristics of fuel, oil, and lubricants; maintenance of smog devices; basic engine performance, automotive electronics procedures; and safety factors. Students apply hands-on service, diagnostic, and light repair procedures to prepare them for entry level positions in the automotive industry. C-ID AUTO-110X.

AUTO 105: Automotive Reconditioning and Detailing
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course covers interior and exterior detailing processes, including identification of paint condition and types, use of car-care chemicals, machine polishing, maintenance of the paint surface, and customer communication. The course also covers inspection procedures for roadworthiness and safety, including an overview of the retail certification processes for used vehicles prior to sale.

AUTO 110: History of the Automobile
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Summer even years

This course surveys the history, culture, and societal impact of the automobile in the United States from the early twentieth century through present times. Students examine how the automobile has transformed American society and how it continues to influence social status, consumer purchasing, advertising, consumption, transportation choices, urban design, technological innovations, market competition, environmental concerns, and governmental regulations.

AUTO 125: CA Smog Technician Engine and Emission Control - Level 1
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course (plus other requirements and course work) prepares students to qualify for the California Smog Check Technician Examination using Nissan and other Asian manufacturer-specific and standard Bureau of Automotive Repair (BAR) materials. The course covers the following BAR-certified course: Engine and Emission Control Training Level 1 (formerly known as the Clean Air Car course).

AUTO 130: Basic Engine Performance
Units: 2
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the theory and operation of the internal combustion engine. Topics include cooling, lubrication, ignition, fuel systems, and emission control systems, as well as maintenance and servicing procedures. It also introduces students to hybrid technology and computerized systems, and prepares them for AUTO 141 Automotive Engine Performance and Driveability.

AUTO 135: Auto Electronic Fundamentals
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course prepares students for the study of automotive electrical and electronic computer control systems. It covers the fundamentals of electricity, electromagnetism, electromagnetic induction, electronics, and D/C and A/C current theory. The course provides in-depth coverage of voltage, amperage, resistance, and Ohm's Law, and it emphasizes electronic principles and proper use of a Digital Volt Ohm Meter (DVOM). Topics include the overall theory, service, and testing of the battery, charging system, starter, and ignition. This class prepares students for the ASE A6 Exam and California State Headlight Adjusters license.

AUTO 140: Automotive Engine Technology
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to automotive engine mechanical theory and repair. Topics include four-cycle engine theory and operation, lubrication and cooling system service and repair, and engine removal and installation. In the on ground or hybrid course students disassemble, inspect, and assemble engine blocks and cylinder heads to factory specifications. In the 'online only' course students perform the same lab tasks in a virtual environment. This course prepares students for the Automotive Service Excellence (ASE) A1 Engine Repair examination.

AUTO 141: Automotive Engine Performance and Drivability
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This engine performance course covers diagnostics, service, and repair of fuel, ignition, starting, charging, emission, and computer systems. Students use state-of-the-art equipment to diagnose and repair problems using proper repair techniques, automotive safety, and service protocol. This course helps prepare students for the Automotive Service Excellence (ASE) A8 Engine Performance examination and entry-level employment as engine performance technicians.

AUTO 155: Manual Transmissions and Transaxles
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course introduces the theory, service, and repair of manual transmissions (RWD) and manual transaxles (FWD). Students learn to identify, evaluate, service, remove, and replace transmissions and transaxles. Topics include theory, service, and repair of manual and hydraulic clutch systems and driveline components. (Note: When the course is taught online, the lab tasks and instructor demonstration are performed in a virtual environment.) The course helps students prepare for the Automotive Service Excellence (ASE) A3 Manual Transmission examination. C-ID AUTO-130X.

AUTO 156: Automatic Transmissions and Transaxles
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course introduces the theory, service, and repair of automatic transmissions (RWD) and automatic transaxles (FWD). Students learn to identify, evaluate, service, remove, and replace transmissions and transaxles. Topics include theory, service, and repair of electronic assist automatic transmission components and related driveline components. (Note: When the course is taught online, the lab tasks and instructor demonstration are performed in a virtual environment.) This course helps prepare students for the Automotive Service Excellence (ASE) A2 Automatic Transmission examination. C-ID AUTO-120X.

AUTO 160: Automotive Suspension, Steering, and Alignment
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course covers automotive passenger car and light truck alignment, steering, and suspension systems. It emphasizes the theory and function of modern front- and rear-wheel drive suspension systems and equipment, safety procedures, proper service techniques, component failure analysis, and repair. Students practice alignment procedures on state-of-the-art alignment equipment. This course prepares students for the Automotive Service Excellence (ASE) A4 Suspension and Steering examination. Note: When the course is offered online, lab tasks and instructor demonstration are performed in a virtual environment.

AUTO 161: Automotive Brake Service and Repair
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course covers the theory, service, and repair of hydraulic brake, antilock brake, traction control, and regenerative brake systems. Students learn complete service and repair of front and rear brake systems. The course includes measuring and machining brake rotors and drums to factory specifications, using proper safety protocols, diagnostic strategies, and repair techniques. Students practice these techniques on state-of-the-art stationary and on-the-car brake lathe equipment. This course prepares students for the Automotive Service Excellence (ASE) A5 Brakes examination.

AUTO 200: Automotive Electric and Hybrid Vehicles
Units: 4
Prerequisites: None
Advisory: AUTO 102 or AUTO 130.
Acceptable for Credit: CSU
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers the theory, safety procedures, service, and repair of automotive hybrid, electric, and hydrogen powered vehicles. The course emphasizes design, specialized tools, equipment, and component failure analysis. Students learn the complex theories of high voltage DC electrical systems, AC synchronous traction motors, regenerative braking, hydrogen fuel cell technology, and the unique characteristics of hybrid internal combustion engines coupled with manufacturer-specific service and repair protocol. This course introduces students to existing and future alternative fuel technologies and prepares them for entry-level employment as electric and hybrid/electric vehicle technicians. C-ID ALTF-100X

AUTO 201: Alternative Fuel Vehicles
Units: 2
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This alternative fuel vehicles course emphasizes biodiesel, natural gas, propane, biofuels derived from algae, alcohol/ethanol products (cellulosic and crop-based), and new propulsion sources currently under development. Students learn basic diesel and biodiesel technology, including oil titration and biodiesel production. The course covers the properties of gasoline, alcohol, ethanol, methanol, pressurized fuels such as natural gas and propane, and how crude oil is derived from algae production for use as a carbon-neutral internal combustion alternative. It also examines the environmental, ethical, political, and geopolitical ramifications of the production of these fuels. This course prepares students for employment as entry-level alternative fuel specialists and fleet vehicle attendants.

AUTO 205: Automotive Reconditioning and Paint Fundamentals
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course covers procedures for automotive reconditioning and paint refinishing fundamentals. Topics include exterior and interior cosmetic reconditioning processes consisting of paint touch-up, bumper repair, interior surface repair, rotary polishing, and introduction to paintless dent removal (PDR). The course also covers automotive business start-up procedures.

AUTO 220: HVAC Heating, Ventilation, and Air Conditioning
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall

This course covers the fundamental theories, diagnosis, service, and repair practices of automotive air conditioning and heating systems. Topics include the procedures of recovering the refrigerant, replacing parts, evacuating, charging the air conditioning units, retrofitting, and computer-controlled climate control systems. This course helps prepare students to pass the Automotive Service Excellence (ASE) A7 heating, ventilation, and air conditioning test. C-ID AUTO-170X.

AUTO 225: Smog Check Training Inspection Procedures - Level 2
Units: 2
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring

This course (plus other requirements and course work) prepares students to qualify for the California Smog Check Technician Examination using Nissan and other Asian manufacturer-specific and standard Bureau of Automotive Repair (BAR) materials. The course covers the Smog Check Training Inspection Procedures Level 2 BAR-certified course.

AUTO 235: Electronic Engine Controls and Accessories
Units: 4
Prerequisites: AUTO 135.
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Spring even years

This course covers automotive drivetrain computer control systems as they interact with air/fuel, timing, idle speed and emission controls. Topics include OBD 2 diagnosis and electrical accessory systems, such as airbag, Bluetooth, infotainment and Hybrid/EV safety. The course prepares students for the ASE (A6) certification test in electricity and electronics.

AUTO 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

AUTO 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Biology

Biology is the science of life and living organisms, including their structure, function, growth, origin, evolution, and distribution. Students take biology courses to prepare for a biology major, to fulfill general education requirements, and to meet prerequisites for related courses. A bachelor's degree in biology can lead to careers in areas such as health sciences, biotechnology, research, environmental sustainability, marine science, and education.

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Contact Information

Chair: Janelle West
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/biology/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/biology/)

Department: Biological Sciences
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Suzie Bailey
Adrea Gonzalez-Karlsson
Stacey Hull
Himgauri Kulkarni
Pedro Morgado
Carlos Rojo
Jeanine Sepulveda
Tina Walker
Janelle West
Dingguo Zhang

Associate Degrees

Associate in Science Degree

Biology for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a biology degree, an emphasis or option within a biology degree, or a degree considered similar to biology at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a biology major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcomes

Upon successful completion of the program, students are able to do the following:

- Apply their understanding of the interconnections and interactions of molecular, cellular, and organismal levels of biological organization to the evaluation of biological phenomena.
- Demonstrate their understanding of the relationship between molecular, cellular, and organism-level structure and the relevant cellular, organismal, and ecological contexts in which they arose through adaptation.
- Apply the process of science and appropriate quantitative skills to the analysis, interpretation and evaluation of biological phenomena at various levels of biological organization.

Course Requirements

Required courses:		
BIO 202	Foundations of Biology: Evolution, Biodiversity, and Organismal Biology	4
BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology	4
List A:		23-25
CHEM 150	General Chemistry I: For Science Majors	
CHEM 151	General Chemistry II: For Science Majors	
MATH C2210	Calculus I: Early Transcendentals	
or MATH C2210	Calculus I: Early Transcendentals - Embedded Support	
or MATH C2210	Calculus I: Early Transcendentals - Honors	
Choose one sequence below:		
PHYS 111 & PHYS 112	Introductory Physics I and Introductory Physics II	
PHYS 151 & PHYS 152	Principles of Physics I and Principles of Physics II	
Total Units		**31-33**

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Courses

BIO 102: Introductory Biology: Ecology and Environmental Biology
Units: 4
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This general education life science course is intended for non-science track students. Using an interdisciplinary approach, students explore ecology and address current environmental issues, while seeking sustainable solutions. Course activities may include lectures, group discussions, lab observations and experimentation, simulation exercises, field work, case studies, and research projects.

BIO 103: Introductory Biology: Animal Diversity
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in BIO 202.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces non-science track students to animal diversity and incorporates biological concepts such as evolution, ecology, behavior, physiology, and development. Course activities may include lectures, assessments, class discussions, research projects, reflection and/or application assignments, and observational activities.

BIO 104: Introductory Biology: Botany (Plant Life)
Units: 4
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Spring

This introductory course examines plant anatomy, physiology, and classification. It provides a broad perspective of biological concepts and principles and covers both unicellular and multicellular systems. Topics include structure and function of life, metabolism and manipulation of energy, cell division, genetics, taxonomy, and the evolution and adaptation of living organisms. Required field trips support the development of observational and analytical skills aligned with course objectives.

BIO 105: Introductory Biology: Biotechnology in Society
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

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

From plankton to whales, this general education life science course explores the diversity of life in the ocean and examines the biological and environmental factors that influence ocean ecosystems. Designed for non-science majors, the course emphasizes human impacts on the ocean and issues related to our local marine communities. The laboratory provides hands-on experience with scientific observation, data collection, and the use of field and lab equipment. Required field trips support the development of observational and data analysis skills aligned with course objectives.

BIO 108: Introductory Biology: Ocean Ecology and Sustainability
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This introductory life science course examines the ocean from an ecological perspective with an emphasis on environmental sustainability. Topics include patterns 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 environmental sustainability and human impacts on ocean ecosystems. Students discuss climate change, reducing our carbon footprint, the impacts of plastics and other pollution, and exploitation of marine resources. This class prepares students for moving forward toward a more sustainable future.

BIO 108L: Introductory Biology: Ocean Ecology and Sustainability Lab
Units: 1
Prerequisites: BIO 107 or BIO 108.
Enrollment Limitation: Concurrent enrollment in BIO 107 or BIO 108 if prerequisite not met.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Spring

This general education life science lab course offers students an experimental approach to examining current topics in the field of ocean ecology with a strong emphasis on sustainability. The course introduces students to current laboratory and field-based research methods, allowing them to develop skills in experimental design and then practice their skills by engaging in instructor-led independent research. This course supports the content of BIO 108 and includes local field trips.

BIO 110: Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)
Units: 4
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in BIO 111 and BIO 111L.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This entry-level course provides a broad perspective of biological concepts and principles with an emphasis on human health. Topics include the process of scientific inquiry, the biochemistry of biomolecules, metabolism and manipulation of energy by plants and animals, cell division, classical and molecular genetics, development, and the evolution and adaptation of living organisms. The laboratory component of this course provides direct participation in experiments, demonstrations, and discussions related to fundamental concepts in biology. This course is designed for pre-health profession students. UC CREDIT LIMITATION: Credit for BIO 103, BIO 105, BIO 110, or BIO 111.

BIO 111: Introductory Biology: Preparation for Pre-Health Professions (Lecture)
Units: 3
Prerequisites: None
Advisory: BIO 111L
Enrollment Limitation: Not open to students with prior credit in BIO 110.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This entry-level course provides a broad perspective of biological concepts and principles with an emphasis on human health. Topics include the process of scientific inquiry, the biochemistry of biomolecules, metabolism and manipulation of energy by plants and animals, cell division, classical and molecular genetics, development, and the evolution and adaptation of living organisms. This course is designed for pre-health profession students. UC CREDIT LIMITATION: Credit for BIO 103, BIO 105, BIO 110, or BIO 111.

BIO 111L: Introductory Biology: Preparation for Pre-Health Professions (Lab)
Units: 1
Prerequisites: BIO 111
Enrollment Limitation: Concurrent enrollment in BIO 111 if prerequisite not met. Not open to students with prior credit in BIO 110.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This laboratory accompaniment to BIO 111 provides direct participation in experiments, demonstrations, and discussions related to fundamental concepts in biology. This course further develops the student's understanding of topics introduced in the lecture.

BIO 202: Foundations of Biology: Evolution, Biodiversity, and Organismal Biology
Units: 4
Prerequisites: Knowledge, skills, and abilities at the intermediate algebra level as determined by the math placement process.
Advisory: Any college-level biology course with an organismal or population focus (e.g., BIO 102, BIO 103, BIO 104, BIO 107, BIO 108, BIO 110, BIO 204, BIO 210, BIO 220, or BIO 230).
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course surveys the organismal/meta-organismal half of biological disciplines. Topics include the taxonomy and physiology of prokaryotes and basal eukaryotes; the taxonomy, developmental biology, and physiology of plants and animals; and single-species population dynamics and interspecies interactions in communities. The laboratory emphasizes evolutionary process and mechanism, phylogeny reconstruction, comparative anatomy/physiology/survey of plants and animals, and life history evolution. Required field trips support the development of observational and data analysis skills aligned with course objectives. C-ID BIOL 135S (with BIO 204) and BIOL-140.

BIO 204: Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology
Units: 4
Prerequisites: CHEM 150.
Enrollment Limitation: Not open to students with prior credit in BIO 204H.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course surveys the molecular half of biological disciplines. Topics include biological molecules, metabolic biochemistry, cell biology, molecular biology, and genetics. The laboratory emphasizes modern methods in cell and molecular biology, classical genetics, and experimental design. C-ID BIOL-135S (with BIO 202) and BIOL-190.

BIO 210: Human Anatomy
Units: 4
Prerequisites: BIO 110, BIO 111, or a minimum 3-unit course in biology that presents principles of cellular life in its curriculum.
Enrollment Limitation: Not open to students with prior credit in BIO 210H.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This course follows a systemic approach by combining microscopic studies of tissues (histology) and organs along with gross/visual anatomical studies of the human body. Students learn mammalian and human anatomy by working with preserved mammalian specimens and human cadavers. Because the course presents applied clinical situations, it is recommended for students majoring in the health sciences: massage therapy, kinesiology, physical therapy, nursing, and physician assistant. C-ID BIOL-110B.

BIO 220: Human Physiology
Units: 4
Prerequisites: BIO 110, BIO 111, BIO 204, or BIO 210.
Advisory: CHEM 115 or CHEM 112
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course presents the interrelationships of the various organ systems, based upon the molecular and cellular activities of the organs that comprise those systems. It emphasizes the integration of body systems for maintaining homeostasis through regulated metabolism and coordinated flow of information. This course is designed for students majoring in pre-medicine, pre-nursing, allied health fields, and physical education. C-ID BIOL-120B.

BIO 230: Introduction to Microbiology
Units: 5
Prerequisites: BIO 220, CHEM 115, CHEM 112, CHEM 140, or CHEM 150.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces the fundamental concepts of microbiology and the use of the scientific method applied to the study of bacteria and other microorganisms. Topics include the history, morphology, genetics, and physiology of microbes. The laboratory emphasizes methods for isolating, culturing, identifying, enumerating and controlling bacteria.

BIO 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

BIO 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

BIO 340: Molecular Mechanisms of Disease
Units: 3
Prerequisites: BIO 105, BIO 110, BIO 111, or BIO 204, and CHEM 150.
Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.
Lecture 3 hours.
Course Typically Offered: Fall

This course focuses on the molecular basis of human disease. Topics include genetic, metabolic, signaling, developmental, and infectious diseases as well as the biological mechanisms of immunity, cancer, and aging. This course develops students' understanding of the biological basis of human disease that will allow them to evaluate technological advances in therapeutics and diagnostics. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

Biotechnology

The expanding field of biotechnology devotes itself to improving human health and well-being through the research, development, testing, manufacturing, and marketing of products related to the biomedical, food and beverage, cosmetics, and agricultural industries. The Biotechnology program provides both the theoretical background and practical experience necessary to gain employment in the biotechnology industry. Career paths include research, development, quality control and assurance, manufacturing, analytical testing, and lab technician work.

Bachelor's Degree Program

The bachelor's degree program in biomanufacturing builds upon lower-division coursework in biotechnology and general education, allowing students to enter as juniors and earn a baccalaureate. Information about the program, including eligibility requirements, the application process, and upper-division tuition, is available under Bachelor's Degree. For

inquiries about the bachelor's program, please contact Wally Perez at waperez@miracosta.edu.

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Contact Information

Chair: Wally Perez Medina
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/biotechnology/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/biotechnology/)

Department: Biotechnology
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Dominique Ingato
Barbara Juncosa
Wally Perez Medina

Bachelor's Degree

Bachelor of Science Degree

Biomanufacturing

The biomanufacturing bachelor's degree program develops the skills, abilities, and knowledge students need to work in the unique environment of biological production. It emphasizes the applied, quantitative analysis of biomanufacturing process design and performance to prepare students for employment in technical or quality positions in the manufacturing sector of the biotechnology industry, which includes biotherapeutics, diagnostics, supplies and services, and industrial products.

The biomanufacturing bachelor's degree program requires the completion of 120 semester units, including 45 units of upper-division coursework with a minimum of 12 units in residence at MiraCosta College. All upper-division coursework must be completed with a minimum grade of "C" (or "P").

The program builds upon the college's associate degree program in biomanufacturing, allowing students who complete the associate degree or equivalent coursework from other colleges to enter as juniors and earn a baccalaureate. Students earning the college's associate degree in biomanufacturing must complete the Cal-GETC general education pattern, or have been awarded a bachelor's degree from an institution accredited by an agency recognized by the U.S. Secretary of Education, to graduate with a bachelor's degree in biomanufacturing.

Lower-Division Major Preparation

- Overall GPA of 2.0 for all coursework
- Completion of the following lower-division course requirements with no grade less than "C" or "P":
  - General biology (BIO 105 or equivalent)
  - CHEM 150
  - CHEM 151
  - BTEC 107
  - BTEC 110
  - BTEC 120
  - BTEC 210
  - BTEC 211
  - BTEC 221
  - BTEC 222
  - ENGL C1000
  - Statistics (BTEC 180 or equivalent).

Application for Admission

Students complete the standard online application to the college as well as the Application for the Bachelor of Science in Biomanufacturing, which is available in SURF (see miracosta.edu/bachelors (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/biotechnology/biomanufacturing-bachelors-degree/)). Applications for the fall 2026 cohort become available on August 1. Applications are due in mid-November for priority consideration and are accepted on a rolling basis after this priority deadline until the cohort is full.

Certain lower-division courses must be completed or in progress in order to submit an application for admission to the program. Please see the Biomanufacturing Bachelor's Degree Program webpage for details.

Admission/Selection Criteria

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

- Percentage of lower-division major preparation completed at the time of applying.
- Completion of an associate degree in biomanufacturing, research and development, or equivalent.
- Completion before entry date of BTEC 221 and BTEC 222 (or equivalent).
- Completion of additional 200-level biotechnology, biology, or chemistry courses or 100-level physics courses not listed in the program requirements.
- Completion, before entry date, of lower-division general education requirements.
- GPA in lower-division major preparation courses.
- Employment in the biotechnology/biomedical industry, including internships.
- Relevant life experiences or special circumstances, such as disabilities, low family income, first generation college student, DACA, former foster youth, veteran status, and other criteria.

For more specific information about the comprehensive review process, please see miracosta.edu/bachelors (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/biotechnology/biomanufacturing-bachelors-degree/).

Upper-Division Tuition

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

Program Student Learning Outcomes

Upon completion of this program, students will be able to do the following:

- Design and execute a project that identifies possible options of new biomanufacturing technologies that serve as process improvements, including technical and financial benefits, and write a report evaluating those options with a final recommendation.
- Perform an investigation that requires them to analyze an Out of Specification (OOS) occurrence during a production step in the manufacture of a biological substance, perform the analysis to justify the batch disposition, and incorporate this into a CAPA (Corrective Action Preventative Action) report.

Course Requirements

Required lower-division courses:		
BIO 105	Introductory Biology: Biotechnology in Society *	3
BTEC 107	Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry	3
BTEC 110	Basic Techniques in Biotechnology	5
BTEC 120	Business and Regulatory Practices in Biotechnology	3
BTEC 180	Biostatistics *	4
BTEC 210	Data Analysis with Excel	1
BTEC 211	Technical Writing for Regulated Environments	1
BTEC 221	Bioprocessing: Cell Culture and Scale-up	1.5
BTEC 222	Bioprocessing: Large Scale Purification	1.5
CHEM 150	General Chemistry I: For Science Majors *	5
CHEM 151	General Chemistry II: For Science Majors *	5
ENGL C1000	Academic Reading and Writing *	4
Required upper-division courses:		
BTEC 300	Supply Chain and Enterprise Resource Planning in Biomanufacturing	3
BTEC 310	Biomanufacturing Process Sciences	5
BTEC 320	Design of Experiments for Biomanufacturing	4
BTEC 330	Advanced Topics in Quality Assurance and Regulatory Affairs	4
BTEC 340	Six Sigma and Lean Manufacturing	3
BTEC 360	Design of Biomanufacturing Facilities, Critical Utilities, Processes, and Equipment	3
BTEC 400	Bioprocess Monitoring and Control	4
BTEC 410	Methods in Quality, Improvements, Investigations, and Audits	4
BTEC 460	Capstone Seminar in Biomanufacturing Technologies	3
BTEC 470	Capstone Seminar in Biomanufacturing Quality	3
BIO 340	Molecular Mechanisms of Disease	3
BUS 302	Leadership and Personal Development	3
PHIL 302	Bioethics	3
Remaining required lower-division general education and elective coursework:		
General education requirements remaining		24
Electives		14
Total Units		**120**

* Course satisfies a general education requirement on the Cal-GETC general education pattern.

Associate Degrees

Associate in Science Degree

Biomanufacturing

Students may earn the associate degree by completing the Certificate of Achievement in Biomanufacturing as well as a general education (GE) pattern of courses. To be eligible for admission to the bachelor's degree program (see miracosta.edu/bachelors (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/biotechnology/biomanufacturing-bachelors-degree/)), students must complete the Cal-GETC pattern or a bachelor's degree from an institution accredited by an agency recognized by the U.S. Secretary of Education. Students should meet with a MiraCosta counselor to develop a written educational plan for the specific degree they wish to earn.

Research and Development

Students may earn the associate degree by completing the Certificate of Achievement in Research and Development as well as the general education courses required for MiraCosta College's Associate in Science degree (see Associate Degrees (p. 73)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Certificates

Certificate of Achievement

Biomanufacturing

The biomanufacturing certificate expands on the skills and theoretical foundation presented in the bioprocess technology certificate to further prepare entry-level technicians for employment in the regulated environment of biomanufacturing. Technicians in this field must learn and implement laboratory procedures and use specialized laboratory equipment in the production of a cell-based product. Competency in organizational, computational, and communication skills is required. This program is designed to give students the theoretical background and practical experience necessary to work effectively in biomanufacturing at the entry level as well as to prepare them for advancement to the baccalaureate degree in biomanufacturing at MiraCosta College. Graduates of this program can expect to be employed in various capacities, including quality

control, quality assurance, production, process development, and analytical testing.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
BIO 105	Introductory Biology: Biotechnology in Society	3
BTEC 107	Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry	3
BTEC 110	Basic Techniques in Biotechnology	5
BTEC 120	Business and Regulatory Practices in Biotechnology	3
BTEC 180	Biostatistics	4
BTEC 210	Data Analysis with Excel	1
BTEC 211	Technical Writing for Regulated Environments	1
BTEC 221	Bioprocessing: Cell Culture and Scale-up	1.5
BTEC 222	Bioprocessing: Large Scale Purification	1.5
CHEM 150	General Chemistry I: For Science Majors	5
CHEM 151	General Chemistry II: For Science Majors	5
ENGL C1000	Academic Reading and Writing	4
Select two courses from the following:		2
BTEC 201	Advanced Cell Culture	
BTEC 203	Techniques in DNA Amplification	
BTEC 204	Recombinant DNA	
BTEC 206	Principles of Separation and HPLC	
BTEC 207	Techniques in Immunochemistry and ELISA	
BTEC 231	Gene Editing Techniques: CRISPR-Cas9	
BTEC 232	Principles of Flow Cytometry	
BTEC 292	Internship Studies	
BTEC 299	Occupational Work Experience Education	
Total Units		**39**

Certificate of Achievement

Bioprocess Technology

This certificate provides a foundation in, and practical application of, the technologies employed by biotechnology companies engaged in the production of cell-derived products from small to large scales. Through a combination of applied lecture and hands-on laboratory instruction, students acquire the confidence, competence, and compliance for technical work in a regulated environment.

Bioprocess technologies encompass the operation of specialized equipment and instrumentation used to produce biopharmaceuticals or reagents utilized by biotechnology, pharmaceutical, and academic research labs. Students learn to grow a variety of cells, express a biomolecule of interest, and recover the desired biomolecule through a series of purification steps. They learn to follow good manufacturing practices by maintaining records in order to comply with quality system requirements and government regulations. This certificate is designed for bioprocess-technician skill development as well as professional development for those already employed in the industry.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
BTEC 110	Basic Techniques in Biotechnology	5
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:		1-3
BTEC 107	Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry	
BTEC 210	Data Analysis with Excel	
BTEC 232	Principles of Flow Cytometry	
BTEC 292	Internship Studies	
BTEC 299	Occupational Work Experience Education	
Total Units		**13-15**

Certificate of Achievement

Laboratory Skills

This certificate is designed to meet the increasing need for trained and competent associates in laboratory environments. The required courses provide students with fundamental laboratory skills to start or enhance a career in the biosciences.

Students completing this certificate can expect employment utilizing their technical skills in the performance of tests and routine tasks inherent to a wide range of laboratory environments. This certificate is intended for the development of general laboratory skills as well as professional growth for those already employed in the industry.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
BTEC 107	Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry	3
BIO 105	Introductory Biology: Biotechnology in Society	3
or BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology	
BTEC 110	Basic Techniques in Biotechnology	5
BTEC 120	Business and Regulatory Practices in Biotechnology	3
Total Units		**14**

Certificate of Achievement

Research and Development

This certificate is designed to meet the increasing need for entry-level laboratory technicians, especially in the field of research and development. Technicians in this field must be proficient in the application of scientific methodology to solve problems. They must learn and implement laboratory procedures and use specialized laboratory equipment. Competency in organizational, computational, and communication skills is required.

This program is designed to give students the theoretical background and practical experience necessary to be a bench-level scientist in both academic and industrial settings. Completion of this program prepares students to gain entry-level employment, or with additional coursework students can transfer to four-year institutions in the biosciences. Graduates of this biotechnology program can expect to be employed in various capacities, including quality control, applied research, product development, analytical testing, and academic (basic) research.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
BIO 105	Introductory Biology: Biotechnology in Society	3-4
or BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology	
BTEC 107	Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry	3
BTEC 110	Basic Techniques in Biotechnology	5
BTEC 120	Business and Regulatory Practices in Biotechnology	3
BTEC 180	Biostatistics	4-7
or MATH C2210	Calculus I: Early Transcendentals	
or MATH C2210E	Calculus I: Early Transcendentals - Embedded Support	
or MATH C2210H	Calculus I: Early Transcendentals - Honors	
BTEC 210	Data Analysis with Excel	1
CHEM 150	General Chemistry I: For Science Majors	5
CHEM 151	General Chemistry II: For Science Majors	5
ENGL C1000	Academic Reading and Writing	4
Select at least two electives from the following:		2
BTEC 201	Advanced Cell Culture	
BTEC 203	Techniques in DNA Amplification	
BTEC 204	Recombinant DNA	
BTEC 206	Principles of Separation and HPLC	
BTEC 207	Techniques in Immunochemistry and ELISA	
BTEC 231	Gene Editing Techniques: CRISPR-Cas9	
BTEC 232	Principles of Flow Cytometry	
BTEC 292	Internship Studies	
BTEC 299	Occupational Work Experience Education	
Total Units		**35-39**

Courses

BTEC 107: Exploring Biotechnology: Emerging Trends, Careers, and the Local Industry
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the emerging role of biotechnology in modern society. It examines the origins and impact of the biotechnology industry from physiological and socio-cultural aspects, including how biotechnology advances have transformed individual lives and communities. Topics include new technologies in development and the role of biotechnology in addressing societal challenges, such as the COVID-19 pandemic and climate change. Students are oriented to biotechnology careers, employment trends, and the required high-tech, high-touch workforce skills necessary for success in a globally and locally robust professional environment.

BTEC 110: Basic Techniques in Biotechnology
Units: 5
Prerequisites: BIO 105 or BIO 204.
Enrollment Limitation: Concurrent enrollment in BIO 105 or BIO 204 if prerequisite not met and not open to students with prior credit in BTEC 110H.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 6 hours.
Course Typically Offered: Fall, Spring

This course focuses on the basic laboratory skills needed for employment in the biotechnology/biomanufacturing industry. Students learn laboratory safety and documentation while acquiring skills in the maintenance and calibration of basic lab equipment, calculation and preparation of lab solutions and media, and routine handling of cell cultures. Students also develop fundamental skills in spectroscopy, centrifugation, performance of assays, gel electrophoresis, and the purification and handling of biological molecules, such as proteins. (Materials Fee: $30.00)

BTEC 120: Business and Regulatory Practices in Biotechnology
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

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: Prealgebra or eligibility determined by the math placement process.
Advisory: BIO 105, BIO 110, BIO 111, BIO 202, or BIO 204.
Enrollment Limitation: Not open to students with prior credit in BTEC 180H.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This introductory statistics course covers the principles and practice of statistical design and analysis for scientific experimentation. Topics include hypothesis formation, experimental design and execution, data analysis, and communication with application to scientific fields, such as the biological and health sciences. The course includes laboratory application with extensive use of computer software for statistical analysis and simulation. UC CREDIT LIMITATION: Credit for BTEC 180, BUS 204, PSYC 104/PSYC 104H, SOC 125, or STAT C1000/STAT C1000E/STAT C1000H. Some CSU campuses may also impose this credit limitation.

BTEC 201: Advanced Cell Culture
Units: 1
Prerequisites: BTEC 110.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Spring

This advanced course teaches skills in the proper handling of cells from higher organisms, such as plants, mammals, and insects, that are routinely maintained in culture in the biotechnology laboratory. Instruction focuses on growth and manipulation techniques and long-term maintenance of various laboratory cell cultures that may include anchorage-dependent and suspension cell lines as well as stem cell cultures.

BTEC 203: Techniques in DNA Amplification
Units: 1
Prerequisites: BTEC 110.
Acceptable for Credit: CSU
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall or Spring every 3rd sem

This advanced course provides skills in the performance of the polymerase chain reaction (PCR), a technique commonly used to amplify DNA in forensics and the biotechnology laboratory. Instruction focuses on understanding the process; potential applications of DNA amplification; and the skills related to the setup, performance, and evaluation of the technique's outcome. The course assumes some prior knowledge of solution preparation and gel electrophoresis.

BTEC 204: Recombinant DNA
Units: 1
Prerequisites: BTEC 110.
Acceptable for Credit: CSU
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall or Spring every 3rd sem

This advanced course provides skills in recombinant DNA technology used to analyze and manipulate DNA in the biotechnology laboratory. Students learn about the process of cloning and analyzing DNA and acquire the skills necessary to cut, piece together, and introduce new DNA molecules into prepared host bacterial cells.

BTEC 206: Principles of Separation and HPLC
Units: 1
Prerequisites: BTEC 110.
Acceptable for Credit: CSU
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall or Spring every 3rd sem

This advanced course provides skills in the separation of biomolecules from complex mixtures using high performance liquid chromatography (HPLC). Instruction focuses on understanding the principles of separation, acquiring skills in the separation of various biomolecules, and analyzing the outcome for the purpose of determining system performance and biomolecular purification. The course assumes some prior knowledge of solution preparation, assays, and spectroscopy.

BTEC 207: Techniques in Immunochemistry and ELISA
Units: 1
Prerequisites: BTEC 110.
Acceptable for Credit: CSU
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall or Spring every 3rd sem

This advanced course provides skills in the use of antibody reagents as a tool in the biotechnology laboratory. It focuses on the nature and specificity of antibody reagents for the identification and quantification of biological molecules. Students learn how to set up, perform, and analyze techniques utilizing antibodies, such as Westerns and ELISAs.

BTEC 210: Data Analysis with Excel
Units: 1
Prerequisites: None
Advisory: CSIT 101
Acceptable for Credit: CSU
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This course teaches students how modern spreadsheet programs can be used to collect and organize data for subsequent tabulation, summarization, and graphical display. It utilizes various forms of scientific data to teach the techniques and skill that facilitate the capture, analysis, and management of data. Topics include importing and organizing data, filtering and sorting, graphing, and statistical analysis functions.

BTEC 211: Technical Writing for Regulated Environments
Units: 1
Prerequisites: None
Advisory: BTEC 110 and ESL 150 or eligibility determined by the English placement process.
Acceptable for Credit: CSU
Lecture 1 hour.
Course Typically Offered: Fall, Spring

This course provides the requisite tools to understand why technical writing exists and how that writing works in conjunction with the many types of documents found in regulated environments. It also develops the techniques needed to deliver clear and complete passages with precise language. Students apply best practices for technical writing to a variety of documents, including reports, standard operating procedures (SOP), and investigations.

BTEC 221: Bioprocessing: Cell Culture and Scale-up
Units: 1.5
Prerequisites: BTEC 110.
Advisory: BTEC 120
Acceptable for Credit: CSU
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This laboratory course develops the skills and knowledge related to the culture of cells in increasingly larger scales for the production of biological molecules. Students grow and monitor a variety of cells (bacterial, yeast, and/or mammalian) on a laboratory scale that emulates the large-scale production used in industry. They become familiar with the cleaning, sterilization, aseptic inoculation, operation, and monitoring of fermenters and bioreactors. The course emphasizes the use of current Good Manufacturing Practices (cGMPs) and process control strategies, and students gain experience following Standard Operating Procedures (SOPs).

BTEC 222: Bioprocessing: Large Scale Purification
Units: 1.5
Prerequisites: BTEC 110.
Advisory: BTEC 120
Acceptable for Credit: CSU
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This laboratory course develops the skills and knowledge related to purification of biological molecules produced on a large scale. Students utilize the most common types of separation equipment, including tangential flow filtration, centrifugation, and column chromatography. They become familiar with the cleaning, sanitization, calibration, operation, and monitoring of large-scale purification equipment. The course emphasizes the use of current Good Manufacturing Practices (cGMPs) and process control strategies, and students gain experience following Standard Operating Procedures (SOPs).

BTEC 231: Gene Editing Techniques: CRISPR-Cas9
Units: 1
Prerequisites: BTEC 110.
Acceptable for Credit: CSU
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall or Spring every 3rd sem

This advanced course provides skills in the performance of the revolutionary genome editing technique CRISPR-Cas9. Instruction focuses on a deep understanding of this powerful and popular gene-editing technique to better appreciate the promise, risks, and ethics behind its many applications. Laboratory activities develop skills related to the setup, performance, and evaluation of the technique's outcome. The course assumes some prior knowledge of solution preparation and aseptic streak-plating of bacterial cultures.

BTEC 232: Principles of Flow Cytometry
Units: 1
Prerequisites: BTEC 110.
Acceptable for Credit: CSU
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall or Spring every 3rd sem

This advanced course addresses the basic theory and practice of flow cytometry. Instruction focuses on understanding the principles of flow cytometry, acquiring skills in the detection and measurement of physical and chemical characteristics of a population of cells, and analyzing the outcome for the purpose of determining system performance and cell characteristics. The course assumes some prior knowledge of solution preparation, assays, and cell culture.

BTEC 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

BTEC 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

BTEC 300: Supply Chain and Enterprise Resource Planning in Biomanufacturing
Units: 3
Prerequisites: BTEC 120.
Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.
Lecture 3 hours.
Course Typically Offered: Fall

Students gain knowledge of how companies manage the complete flow of materials in a supply chain from suppliers to customers. This course covers the design, planning, execution, monitoring, and control of raw materials, personnel resources, inventory management, and distribution. At the end students will have the knowledge required to take the CPIM (Certified in Production and Inventory Management) certification test administered by APICS (the American Production and Inventory Control Society). This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 310: Biomanufacturing Process Sciences
Units: 5
Prerequisites: BTEC 221 and BTEC 222.
Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.
Lecture 3 hours, laboratory 6 hours.
Course Typically Offered: 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.
Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: 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.
Course Typically Offered: Spring

This course builds upon previous knowledge of quality assurance and regulatory affairs to study the harmonized quality system approaches of the International Council for Harmonisation Q8 through Q11. The course pays special attention to the topics of quality risk management, qualification, and validation. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 340: Six Sigma and Lean Manufacturing
Units: 3
Prerequisites: BTEC 120 and BTEC 180.
Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.
Lecture 3 hours.
Course Typically Offered: Fall

This course covers the Six Sigma approach to the maintenance and improvement of biomanufacturing processes. It incorporates the DMAIC phases: define, measure, analyze, improve, and control. The course covers the use and implementation of lean manufacturing tools that biomanufacturing companies use to reduce waste. At the end of the course, students will be prepared to take the certification test for qualification with a yellow belt in Six Sigma. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 360: Design of Biomanufacturing Facilities, Critical Utilities, Processes, and Equipment
Units: 3
Prerequisites: BTEC 120, BTEC 221, and BTEC 222.
Enrollment Limitation: Concurrent enrollment in BTEC 221 and BTEC 222 if prerequisites not met. Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.
Lecture 3 hours.
Course Typically Offered: Fall

Students evaluate how the design of a biomanufacturing facility maintains appropriate levels of cleanliness and sterility and promotes the production of safe and effective products. Students analyze the design of the processes, equipment, and instrumentation used in biological production to generate critical utilities, aseptic systems, environmental control and monitoring, upstream production, and downstream (recovery and purification) production within a regulated environment. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 400: Bioprocess Monitoring and Control
Units: 4
Prerequisites: BTEC 310.
Enrollment Limitation: Open only to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course covers the measurement, monitoring, modeling, and control of biomanufacturing processes and the statistical methodology used for measuring, analyzing, and controlling quality during the manufacturing process, including control charts and the analysis of process capabilities. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 410: Methods in Quality, Improvements, Investigations, and Audits
Units: 4
Prerequisites: BTEC 330 and BTEC 340.
Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.
Lecture 4 hours.
Course Typically Offered: 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.
Course Typically Offered: Spring

This course examines the breadth of products that are produced through biological processes. The course will focus on the advances and emerging technologies in biological production and purification operations. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

BTEC 470: Capstone Seminar in Biomanufacturing Quality
Units: 3
Prerequisites: BTEC 330.
Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.
Lecture 3 hours.
Course Typically Offered: Fall

This course examines the process by which the quality systems of biomanufacturing evolve by examining a selected current trend in the laws and regulations governing biopharmaceutical manufacturing. Students evaluate the effectiveness of the laws and regulations governing biopharmaceutical manufacturing. This course serves as a capstone experience for students in biomanufacturing quality. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

Black Studies

Black studies is the interdisciplinary study of the social, political, economic, and historical experiences of Africans in America and around the world. Black studies focus on systematic racism, white supremacy, and anti-blackness with the ultimate goal of overcoming systems of oppression throughout the world. Black studies also investigates how race/ethnicity intersects with class, gender, and sexuality.

Students take courses to prepare for a Black studies major or to fulfill general education requirements. Career options include teaching at the high school and college level, social work, non-profit work, human services, counseling, law enforcement, legal professions, and business.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: Olivia Quintanilla
Dean: Jonathan Fohrman
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/sociology/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/sociology/)

Department: Ethnic Studies
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Craig Perez
India Pierce
Olivia Quintanilla
Katherine Steelman

Courses

BLST 100: Introduction to Black Studies
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 240.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course provides students with an introduction to the principal concepts and methods of Black and African American Studies. Topics include the social, political, creative aspects, philosophies, traditions, and economic experiences of Black people in America and throughout the world. Students explore the full scope of the African Diaspora and their experiences and responses to the economic, political, and socio-cultural production of; "Blackness" Key topics include African origins, African diaspora, colonization, slavery, race, racialization, anti-blackness, migration, civil rights, power, education, mass incarceration, cultural expression, segregation, decolonization, Black empowerment, and culture with a focus on agency, resistance, self-determination, liberation and social justice. (Formerly BLST 240)

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, supply chain management, small business development, and management in retail, service, manufacturing, government, and nonprofit organizations.

Academic and Career Pathway

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

Contact Information

Chair: Suganya Sankaranarayanan
Dean: Annie Ngo
https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/business-administration/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/business-administration/)

Department: Business
Office: Building OC3600, 760.795.6807

Full-Time Faculty

Suganya Sankaranarayanan
Nate Scharff
Christina Sharp

Associate Degrees

Associate in Science Degree

Business Administration 2.0 for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a business administration degree, an emphasis or option within a business administration degree, or a degree considered similar to business administration at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation.

This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a business administration major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to develop communication, critical thinking, financial analysis, and problem-solving skills that will effectively prepare them for advanced study in business at the university level.

Course Requirements

Required courses:		
ACCT 201	Financial Accounting	4
ACCT 202	Managerial Accounting	4
BUS 140	Legal Environment of Business	3
ECON C2001	Principles of Microeconomics	3
ECON C2002	Principles of Macroeconomics	3
MATH 115	Calculus with Applications	5-7
or MATH C2210	Calculus I: Early Transcendentals	
or MATH C2210E	Calculus I: Early Transcendentals - Embedded Support	
or MATH C2210H	Calculus I: Early Transcendentals - Honors	
BUS 204	Business Statistics	3-5
or BTEC 180	Biostatistics	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
or STAT C1000	Introduction to Statistics	
or STAT C1000E	Introduction to Statistics (Embedded Support)	
or STAT C1000H	Introduction to Statistics (Honors)	
BUS 120	Introduction to Business	3
or BUS 290	Business Communication	
Total Units		**28-32**

Notes:

1. Students are strongly advised to select courses that meet lower-division major preparation requirements at their intended transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.
2. Cal State University San Marcos (CSUSM) transfer: Students may use this degree pathway for the following emphases: Accounting, Business Analytics, Entrepreneurship, Finance, General, Global Business, Global Supply Chain Management, Management, Management Information Systems and Marketing.
3. San Diego State University (SDSU) transfer: Students may use this degree pathway for the General Business and Financial Services emphasis only. These students should select BUS 290 as a choice above. If CSIT 120, Fundamentals of Computer Information Systems, is not completed, the SDSU comparable course, MIS 180, will be required after transfer. Note: MiraCosta College is not in the SDSU local service area. Please see a counselor for further details.

Associate in Arts Degrees

Entrepreneurship
Management
Marketing
Retail Management
Supply Chain Management (SCM)

Students may earn one of the above-named associate degrees by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 73)). 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

Upon completion of this program, the student will be able to develop a business plan, marketing plan, and financial statements for a proposed business.

Required courses:		
ACCT 101	Practical Accounting	4
or ACCT 201	Financial Accounting	
BUS 130	Entrepreneurship and Small Business Management	3
BUS 132	Marketing	3
BUS 136	Human Relations in Business	3
Select at least 9 elective units from the following:		9
BUS 120	Introduction to Business	
BUS 134	Retail Management	
BUS 135	Personal Selling	
BUS 138	Business Promotion	
BUS 144	Budgeting Basics	
BUS 147	Personal Finance	
BUS 152	Business Idea Generation and Feasibility Analysis	
BUS 153	Business Startup Fundamentals	
BUS 154	Funding the Entrepreneurial Venture	
BUS 155	Business Plan Development	
BUS 160	International Business	
BUS 289	Career Mentoring	
BUS 292	Internship Studies	
CSIT 146	E-Commerce and Web Presence	
CSIT 155	Social Media for Business	
HOSP 100	Introduction to Hospitality Management	
HOSP 130	Conference and Special Event Management	
MAT 125	Web Design 1: Fundamentals	
MTEC 160	Business of Music and Media I	
Total Units		**22**

Certificate of Achievement

Management

The Management certificate benefits students who are trying to keep pace with an increasingly turbulent working environment. It is particularly appropriate for manufacturing firms facing strong international competition and for all service industries. Completion of the certificate gives students a solid introduction to various management philosophies and skills and is a valuable addition to their resume. Students choose from a variety of electives, emphasizing either selected skills or industry-specific expertise. Students may take courses in any sequence.

Program Student Learning Outcome

Upon completion of this program, the student will be able to develop communication, critical thinking, and problem solving skills that will effectively prepare them for a career in management.

Required courses:		
BUS 117	Human Resources Management	3
BUS 131	Management Principles	3
BUS 136	Human Relations in Business	3
BUS 290	Business Communication	3
Select at least 9 units from the following:		9
ACCT 202	Managerial Accounting	
BUS 120	Introduction to Business	
BUS 130	Entrepreneurship and Small Business Management	
BUS 133	Project Management	
BUS 134	Retail Management	
BUS 140	Legal Environment of Business	
BUS 204	Business Statistics	
BUS 289	Career Mentoring	
BUS 292	Internship Studies	
COMM C1000	Introduction to Public Speaking	
COMM 106	Group Communication	
HOSP 100	Introduction to Hospitality Management	
Total Units		**21**

Certificate of Achievement

Marketing

Marketing is the process of planning and executing the conception, pricing, promotion, and distribution of ideas, goods, and services to create exchanges that satisfy individual and organizational objectives. It is critical to all business success. This program is for the student currently in or hoping to enter the marketing field. Students learn how products and services are developed, priced, promoted, and distributed; they also learn and practice marketing skills needed in the job market. Students may take courses in any sequence. Students are encouraged to choose a variety of electives that best increase their skill set.

Program Student Learning Outcome

Upon completion of this program the student will be able to develop communication, critical thinking, and problem solving skills that will prepare them for a career in marketing.

Required courses:		
BUS 132	Marketing	3
BUS 135	Personal Selling	3
BUS 138	Business Promotion	3
BUS 290	Business Communication	3
Select at least 9 elective units from the following:		9
BUS 120	Introduction to Business	
BUS 134	Retail Management	
BUS 136	Human Relations in Business	
BUS 160	International Business	
BUS 204	Business Statistics	
BUS 289	Career Mentoring	
BUS 292	Internship Studies	
CSIT 146	E-Commerce and Web Presence	
CSIT 155	Social Media for Business	

MAT 110	Digital Imaging 1: Adobe Photoshop	
MAT 125	Web Design 1: Fundamentals	
Total Units		**21**

Certificate of Achievement

Retail Management

Retail management is an expanding career path supported by many industry sectors. Strong retail managers are essential to business success in electronics, clothing, food, entertainment, home furnishings, cosmetics, gifts, athletic equipment, pet supplies, and just about every other imaginable consumer product and service. This certificate, designed in collaboration with industry leaders, provides the student with many of the competencies required for success at the management level within the vast retail industry. The program encompasses business essentials, such as accounting and marketing, and emphasizes the "soft skills" of management and communication required for career success. This certificate has been endorsed by the Western Association of Food Chains and its member companies.

Program Student Learning Outcome

Upon completion of this program, the student will be able to develop communication, marketing, and management skills that effectively prepare them for a career in retail.

Required courses:		
BUS 117	Human Resources Management	3
BUS 131	Management Principles	3
BUS 132	Marketing	3
BUS 134	Retail Management	3
BUS 136	Human Relations in Business	3
BUS 290	Business Communication	3
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 136 and BUS 290), technical skills and software (CSIT 120 and CSIT 137), or web and graphic design (MAT 110 and MAT 125). Students can also gain real-world practical experience through internships (BUS 292/CSIT 292/MAT 292) and work experience (BUS 299/CSIT 299/MAT 299).

Program Student Learning Outcome

Upon completion of this program, the student will be able to develop a social media marketing plan using multiple platforms to reach their audience.

Required courses:		
BUS 132	Marketing	3
BUS 138	Business Promotion	3
CSIT 146	E-Commerce and Web Presence	3
CSIT 155	Social Media for Business	3
Select a minimum of six units from the courses below:		6
BUS 120	Introduction to Business	
BUS 136	Human Relations in Business	
BUS 290	Business Communication	
BUS 292	Internship Studies *	
BUS 299	Occupational Work Experience Education *	
CSIT 120	Fundamentals of Computer Information Systems	
CSIT 137	Google Apps for Business	
CSIT 292	Internship Studies *	
CSIT 299	Occupational Work Experience Education *	
MAT 110	Digital Imaging 1: Adobe Photoshop	
MAT 125	Web Design 1: Fundamentals	
MAT 292	Internship Studies *	
MAT 299	Occupational Work Experience Education *	
Total Units		**18**

*Students can take 1-3 units of the 292 and 299 courses.

Certificate of Achievement

Supply Chain Management

Supply chain management (SCM) is the handling of the entire production flow of a good or service, starting from the raw components to delivering the final product to the consumer. It is particularly critical in today's increasingly globalized environment across many industries. Career options in SCM include positions in several functional areas: manufacturing, operations, purchasing, warehousing, transportation, and logistics. This program is for the student currently in or hoping to enter a career in supply chain management. A strong demand in the region for supply chain professionals provides numerous job opportunities in this field. This program also prepares students to obtain professional certifications specific to the field of SCM. Students may take courses in any sequence and are encouraged to choose a variety of electives that best increase their skill set for employment based on their area of focus.

Program Student Learning Outcome

Upon completion of this program, the student will be able to demonstrate supply chain management skills and strategies to support global supply chain and operations management activities and decision-making.

Required courses:		
BUS 128	Introduction to Supply Chain Management	3
BUS 140	Legal Environment of Business	3
BUS 204	Business Statistics	3
BUS 290	Business Communication	3
Select at least nine units from the following:		9

ACCT 201	Financial Accounting
ACCT 202	Managerial Accounting
BUS 131	Management Principles
BUS 133	Project Management
BUS 141	Logistics and Transportation Management
BUS 143	Warehousing and Inventory Management
BUS 160	International Business
BUS 205	Manufacturing and Operations Management
BUS 289	Career Mentoring
BUS 292	Internship Studies
COMM 215	Intercultural Communication
CSIT 110	Computer Applications
or CSIT 120	Fundamentals of Computer Information Systems
Total Units	**21**

Certificate of Proficiency

Business Administration

The Business Administration certificate allows business students to demonstrate they have acquired research, analysis, and communication skills fundamental to business. Highly motivated students who have demonstrated they have completed at least three honors courses or contracts will earn the "honors" designation on the certificate.

Program Student Learning Outcome

Upon completion of this program, the student will have learned and applied discipline-specific research, analysis, and communications skills in business and accounting.

Required courses:		
Choose a minimum of four courses. Students who complete three courses with (H) designation will earn an honors endorsement on the certificate.		12-14
BUS 120	Introduction to Business	
BUS 140	Legal Environment of Business	
BUS 204	Business Statistics	
BUS 290	Business Communication	
ACCT 201	Financial Accounting	
ACCT 202	Managerial Accounting	
Total Units		**12-14**

Certificate of Proficiency

Business Fundamentals

This certificate introduces and provides an overview of the issues and skills involved in business education and/or careers in business. An introductory business course covering marketing, management, and finance is combined with additional skills-based business courses. Together, these courses provide a foundation for work and/or study related to business.

Program Student Learning Outcome

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
Choose two courses:		6-8
ACCT 101	Practical Accounting	
ACCT 201	Financial Accounting	
ACCT 202	Managerial Accounting	
BUS 117	Human Resources Management	
BUS 131	Management Principles	
BUS 132	Marketing	
BUS 133	Project Management	
BUS 134	Retail Management	
BUS 135	Personal Selling	
BUS 136	Human Relations in Business	
BUS 138	Business Promotion	
BUS 140	Legal Environment of Business	
BUS 160	International Business	
BUS 204	Business Statistics	
BUS 290	Business Communication	
CSIT 110	Computer Applications	
CSIT 120	Fundamentals of Computer Information Systems	
Total Units		**9-11**

Certificate of Proficiency

Business Quick Startup

This program offers short, targeted, intensive classes designed to allow students to quickly complete their certificate and start a business. Business Quick Startup is designed to meet a variety of needs, including those of students with a concept they want to bring to market; those who may be interested in starting their own business but need to assess feasibility for an idea; and business owners who have identified an internal conceptual weakness needing improvement. This certificate is action-oriented and students will have tools they need to begin operations at the completion of the program.

Program Student Learning Outcome

Upon completion of this program, the student will be able to develop a professional business plan with all supporting startup documentation.

Required courses:		
BUS 132	Marketing	3
BUS 152	Business Idea Generation and Feasibility Analysis	2
BUS 153	Business Startup Fundamentals	1
BUS 154	Funding the Entrepreneurial Venture	1
BUS 155	Business Plan Development	2
Select a minimum of 3 units from the following elective courses:		3
ACCT 104	Payroll Accounting	
ACCT 145	Individual Income Tax	

AUTO 105	Automotive Reconditioning and Detailing	
CSIT 146	E-Commerce and Web Presence	
CSIT 155	Social Media for Business	
DESN 101	Computer-Aided Design and Drafting	
DESN 203	Solid Modeling	
HORT 121	Sustainable Landscape and Turf Management	
HORT 166	Introduction to Sustainable Agriculture	
HOSP 130	Conference and Special Event Management	
Total Units		**12**

Certificate of Proficiency

Entrepreneurship Fundamentals

This certificate gives students planning their own business a great start by introducing classes and topics dealing with the three fundamental concerns of all business: money and finance (accounting), pursuing creative ideas and selling (marketing), and hiring, working with, and developing people (human relations). Students who complete this certificate are encouraged to then pursue the Entrepreneurship Certificate of Achievement.

Program Student Learning Outcome

Upon completion of this program, the student will be able to develop basic financial, communication, and personal management skills that will prepare them to create an entrepreneurial venture.

Required courses:		
ACCT 101	Practical Accounting	4
BUS 130	Entrepreneurship and Small Business Management	3
BUS 132	Marketing	3
BUS 136	Human Relations in Business	3
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

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 120	Introduction to Business	
BUS 130	Entrepreneurship and Small Business Management	
BUS 136	Human Relations in Business	
CSIT 120	Fundamentals of Computer Information Systems	
DESN 204	Modeling, Prototyping, and Manufacturing	
MAT 120	Media Design 1: Production	
Total Units		**15**

Certificate of Proficiency

Social Entrepreneurship

Students who start and run their own social enterprises have the potential to make a positive social impact in their community and beyond. This certificate program is for both current and prospective social entrepreneurs. It assists students in learning, developing, and applying the skills needed to start, operate, and maintain a successful social enterprise. Students may take courses in any sequence.

Program Student Learning Outcome

Upon completion of this program, students will be able to develop a business plan for a social enterprise that addresses a social problem impacting the local or global community.

Required courses:		
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
SOCI 102	Contemporary Social Problems	3
BUS 130	Entrepreneurship and Small Business Management	3
BUS 153	Business Startup Fundamentals	1
BUS 154	Funding the Entrepreneurial Venture	1
BUS 292	Internship Studies	1
or SOCI 292	Internship Studies	
Total Units		**12**

Courses

BUS 117: Human Resources Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces human resource management in business. Topics include the role and scope of human resource management in an organization, strategic human resource management planning, employment law, recruiting, training, employee development, employee communication, performance management, compensation and benefits programs, managing diversity and global operations, collective bargaining, and using human resources as a competitive advantage.

BUS 120: Introduction to Business
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in BUS 120H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces the trends and opportunities in today's dynamic business environment as they relate to economics, global markets, ethics and social responsibility, business ownership forms, entrepreneurship, management responsibility, human resources management, marketing, operations, accounting, and financial management. Students gain important business context and discover business career and educational opportunities. C-ID BUS-110. UC CREDIT LIMITATION: Credit for BUS 120 or BUS 120H.

BUS 128: Introduction to Supply Chain Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course provides an overview of key supply chain management and logistics processes, concepts, and methodologies. The course explores the framework for supply chain management, major issues and challenges, main cost and service elements, key strategies and practices, and strategic role of information technology. Students gain important global business context and explore supply chain management career and educational opportunities.

BUS 130: Entrepreneurship and Small Business Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

In this business start-up and management course, students learn about conducting preliminary research, analyzing trends and competition, buying and starting a business or franchise, developing a business plan, considering legal issues, target marketing, accounting, managing personnel, and responsible business practices.

BUS 131: Management Principles
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course explores contemporary management application issues. Topics include management theories, finding and developing leaders, motivating employees, strategic planning, hiring and training employees, developing workplace teams, dealing with organizational change, diversity, and ethical and social responsibilities of managers.

BUS 132: Marketing
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to the principles of marketing. Topics include segmenting, targeting, market research, buyer behavior, distribution, retailing, promotional mix elements, and digital media issues. Students gain an understanding of the marketing mix (product, distribution, promotion, and price) for a defined target market.

BUS 133: Project Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course introduces students with varying backgrounds to the fundamental principles of contemporary project management in personal and professional environments. The course covers the principles and methods necessary to create an effective plan and schedule for a project; the techniques to monitor, control, and measure performance of the project once it is underway; and the competing demands of time, scope, and resources. Topics also include project management software, communication, web resources, certifications, and lifelong learning.

BUS 134: Retail Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course introduces the principles and practices used in managing retail businesses. Topics include site selection, layout, organization, staffing, positioning, customer service, promotional techniques, and all aspects of the critical buying function.

BUS 135: Personal Selling
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course covers professional selling skills and techniques. Topics include career opportunities, understanding buyer behavior, communication skills, prospecting, interviewing, motivating, persuading, handling objections, negotiating, closing, obtaining referrals, and addressing legal and ethical concerns.

BUS 136: Human Relations in Business
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course covers the major themes of human relations, including self-awareness, communication, motivation, and conflict resolution, from psychological, sociological, and physiological perspectives. It emphasizes interpersonal, or soft, 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 within the workplace.

BUS 138: Business Promotion
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall

This course provides students with an overview of the promotion function within marketing. Topics include segmenting, buyer personas, positioning, customer journey mapping, creative content creation for both digital and traditional advertising, public relations, and sales promotion tactics.

BUS 140: Legal Environment of Business
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in BUS 140H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces business-related law, ethics, social responsibility, and government regulations. Topics include dispute resolution, legal system and laws, torts, crimes, contracts, sales, warranties, negotiable instruments, secured transactions, bankruptcy, agency, employment, business entities, real and personal property, cyberlaw, and intellectual property. UC CREDIT LIMITATION: Credit for BUS 140 or BUS 140H. C-ID BUS-120, BUS-125.

BUS 141: Logistics and Transportation Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course provides an overview of the principles and practices of transportation and its role within supply chain management. The course emphasizes physical transportation systems within the context of logistics management. Students gain important global supply chain context and explore transportation and logistics career and educational opportunities.

BUS 143: Warehousing and Inventory Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course provides an overview of warehousing operations and the processes, technologies, and equipment within a warehouse facility as enablers for an efficient, effective, and comprehensive supply. Students gain important global supply chain context and explore warehousing operations career and educational opportunities.

BUS 144: Budgeting Basics
Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1 hour.
Course Typically Offered: Spring

This course addresses the preparation of an operating budget for businesses. Students prepare an integrated set of pro forma financial statements and analyze budget-versus-actuals reports.

BUS 147: Personal Finance
Units: 3
Prerequisites: Knowledge, skills, and abilities at the intermediate algebra level as determined by the math placement process.
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course assists students in gaining the knowledge, tools, attitude, and skills needed to make informed lifelong financial decisions that will empower their lives. Students explore the social, psychological, and physiological issues related to planning and managing a personal financial plan. Topics include goal setting, budgeting, money management, taxes, savings, consumer credit, automobiles, housing, insurance, investment vehicles, retirement and estate planning, and the financial impact of marriage and divorce.

BUS 152: Business Idea Generation and Feasibility Analysis
Units: 2
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours.
Course Typically Offered: Fall, Spring

This course focuses on identification of potential business opportunities and the development of a feasibility study of a proposed business idea.

BUS 153: Business Startup Fundamentals
Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1 hour.
Course Typically Offered: Fall, Spring

This course addresses all logistical elements of business startup. Students complete required paperwork to start and operate a small business in California.

BUS 154: Funding the Entrepreneurial Venture
Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1 hour.
Course Typically Offered: Fall, Spring

This course introduces students to the various options available to fund a new or on-going business.

BUS 155: Business Plan Development
Units: 2
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours.
Course Typically Offered: Fall, Spring

This course focuses on the development of a professional business plan for the purpose of obtaining funding. It emphasizes development of the business plan document, incorporating effective writing techniques, research, data analysis, and presentation. Students meet and collaborate with Small Business Development Center (SBDC) coaches either in person, or online throughout the course during the development process.

BUS 160: International Business
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

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: Knowledge, skills, and abilities at the intermediate algebra level as determined by the math placement process.
Enrollment Limitation: Not open to students with prior credit in BUS 204H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course examines the use of descriptive statistics, probability, confidence intervals, hypothesis testing, analysis of variance, regression and correlation analysis, chi-square, t-tests for one and two populations, and applications of technology-based statistical analysis using data from business, economics, political science, health science, information technology, and education, including the interpretation of the relevance of statistical findings for business problem solving and decision making. UC CREDIT LIMITATION: Credit for BTEC 180, BUS 204, PSYC 104/PSYC 104H, SOC 125, or STAT C1000/STAT C1000E/ STAT C1000H. Some CSU campuses may also impose this credit limitation.

BUS 205: Manufacturing and Operations Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall

This course focuses on the concepts, principles, problems, and practices of operations management. It emphasizes methodologies and processes for effective and efficient management of manufacturing and services operations. Students gain important global business context and explore operations management career and educational opportunities.

BUS 289: Career Mentoring
Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1 hour.
Course Typically Offered: Spring

This course provides students the opportunity to apply the theories and techniques of their discipline in a mentor/protege relationship under the instruction of a faculty coordinator. It introduces students to aspects of successful transfer, completion, and transition to a successful career.

BUS 290: Business Communication
Units: 3
Prerequisites: ENGL C1000.
Enrollment Limitation: Not open to students with prior credit in BUS 290H.
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course focuses on the principles of effective written, oral, and electronic communication. It emphasizes solving problems and eliciting positive response through carefully organized and designed memos, letters, reports, and presentations. C-ID BUS-115.

BUS 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

BUS 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

BUS 302: Leadership and Personal Development
Units: 3
Prerequisites: ENGL C1000.
Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.
Lecture 3 hours.
Course Typically Offered: Fall

This course explores how leaders influence organizations. It focuses on leadership and management topics related to communication, groups and teams, motivation, personal values, professional behavior, organizational structure, and diversity. The course integrates theory and practice. This course is open only to students enrolled in the biomanufacturing bachelor's degree program.

Career & Life Planning

Career and life planning courses help students make effective decisions regarding their career and life choices, and they provide the tools and techniques for developing a balanced, integrated lifestyle. Students gain self-understanding and develop techniques for successful career development and employment searches. The courses emphasize increasing self-knowledge, exploring potential majors and career paths, organizing successful job searches, and developing effective workplace behaviors and attitudes.

Contact Information

Chair: Stacey Mathis
Dean: Benjamin Gamboa
https://www.miracosta.edu/student-services/career-center/index.html (https://www.miracosta.edu/student-services/career-center/)

Department: Career Studies and Services
Office: Oceanside, Building 14, Second Floor, 760.795.6772

Full-Time Faculty

Iris Ayala-Swindell
Stacey Mathis

Courses

CRLP 101: Introduction to Career Planning
Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1 hour.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the career planning process. It explores the student's interests, values, skills, and personality preferences as they relate to potential career and major options. Topics include career research, decision-making styles, goal setting, and job search strategies. The course emphasizes the process for actively managing one's own career journey.

Chemistry

Chemistry is the science of the composition, structure, properties, and reactions of matter, especially of atomic and molecular systems. Students take chemistry courses to prepare for the major, to fulfill general education requirements, and to meet prerequisites for related courses and programs. A bachelor's degree in chemistry can lead to a career in scientific research, medicine, health, engineering, industry, government, environmental science, and teaching.

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Contact Information

Chair: Kent McCorkle(Chemistry)
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/chemistry/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/chemistry/)

Department: Chemistry
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Kristine Arquero
Kyle Arriola
Theresa Bolaños
Kaitlin Fisher
Pierre Goueth
Christina Johnson
Kent McCorkle
Thong Nguyen
Sophia Oller
Lynnie Trzoss

Courses

CHEM 103: Chemistry and Society: For Non-Science Majors
Units: 3
Prerequisites: None
Advisory: CHEM 103L or concurrent enrollment in CHEM 103L.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course explores chemical concepts and their applications to everyday life, real world problems, and sustainability. It reviews the properties of matter and energy, chemical bonding and reactions, acids and bases, and the chemistry of water, the earth, and the atmosphere. Sustainability topics explored include energy production and consumption, the depletion of natural resources, renewable energy, pollution, climate change, and their effects on society and diverse populations. Students also discuss current scientific research to overcome problems in society.

CHEM 103L: Chemistry and Society: For Non-Science Majors (Lab)
Units: 1
Prerequisites: CHEM 103.
Enrollment Limitation: Concurrent enrollment in CHEM 103 if prerequisite not met.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course is designed to accompany CHEM 103. It offers hands-on experiences with chemical techniques in both the laboratory and the field. Lab topics include water analysis, acid rain, forensic analysis, acids and bases, and soap synthesis. Required field trips can include visits to a winery, brewery, the beach, a cosmetic chemistry lab, a garden center/nursery, ocean water desalination plant, and an environmental conservation site.

CHEM 112: Introductory General, Organic, and Biological Chemistry: For Allied Health Majors
Units: 5
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in CHEM 116.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This course surveys concepts and skills of the chemistry of living organisms with an emphasis on the human body. Topics include the structure of the atom, chemical bonding, chemical reactions, the structure and reactions of organic compounds, carbohydrates, lipids, amino acids and proteins, nucleic acids, and metabolism, with applications in the physiology, nutrition, and pharmacology of the human body. UC CREDIT LIMITATION: No credit if taken after CHEM 116.

CHEM 115: Introductory General Chemistry: For Allied Health Majors
Units: 4
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in CHEM 115H, CHEM 140, CHEM 150, or CHEM 150H.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This introductory course for non-chemistry majors teaches students the language, materials, mathematics, and principles of chemistry. It covers properties of matter, atomic theory, use of the periodic table of the elements, naming of compounds, formulas and equations, metric measurement, physical states of matter, chemistry of solutions, acids and bases, and organic and nuclear chemistry. UC CREDIT LIMITATION: Credit for CHEM 115 or CHEM 140. No credit if taken after CHEM 150.

CHEM 140: Preparation for General Chemistry: For Science Majors
Units: 4
Prerequisites: Knowledge, skills, and abilities at the intermediate algebra level as determined by the math placement process.
Enrollment Limitation: Not open to students with prior credit in CHEM 150 or CHEM 150H.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This introductory chemistry course focuses on developing problem-solving skills needed for success in CHEM 150. It emphasizes the application of the scientific method, modern ideas concerning atomic structure and chemical bonding, the periodic table and its relationship to chemical properties, principles of stoichiometry, including chemical ratio calculations, chemical nomenclature, properties of the states of matter, and chemical reaction principles. The laboratory component of this course provides direct participation in experiments, demonstrations, learning activities, and discussions related to fundamental concepts in chemistry. UC CREDIT LIMITATION: Credit for CHEM 115 or CHEM 140; no credit if taken after CHEM 150.

CHEM 150: General Chemistry I: For Science Majors
Units: 5
Prerequisites: CHEM 140, 1 yr high school chem, or qualify via placement exam; knowledge, skills, abilities at intermed. algebra level as determined by math placement process.
Advisory: CHEM 140 (Recommended if 4 or more years since taken a chemistry course.)
Enrollment Limitation: Not open to students with prior credit in CHEM 150H.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This first semester of a one-year general chemistry sequence focuses on the fundamental principles of chemistry. Students learn the application of these principles with special significance placed on chemical computation. Topics include atomic structure, the periodic table, nomenclature, chemical reactions, stoichiometry, thermochemistry, and bonding. The course emphasizes critical thinking, writing, problem-solving, and analytical skills, and it meets the requirements of chemistry, biochemistry, biology, physics, pre-dental, pre-medical, and pre-engineering majors. C-ID CHEM-110 and CHEM-120S (with CHEM 151).

CHEM 151: General Chemistry II: For Science Majors
Units: 5
Prerequisites: CHEM 150.
Enrollment Limitation: Not open to students with prior credit in CHEM 151H.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This continuation of CHEM 150 studies the fundamental principles of chemistry and their applications. Topics include intermolecular forces, solutions, kinetics, equilibrium, acid-base chemistry, aqueous ionic equilibrium, thermodynamics, electrochemistry, nuclear chemistry, and coordination chemistry. The laboratory includes a variety of experiments to supplement and reinforce the class work. It also includes a section on qualitative analysis. C-ID CHEM-120S (with CHEM 150).

CHEM 210: Organic Chemistry I: For Science Majors
Units: 5
Prerequisites: CHEM 151.
Enrollment Limitation: Not open to students with prior credit in CHEM 210H.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 6 hours.
Course Typically Offered: Fall, Spring

This first course in a standard one-year organic chemistry sequence is designed for students majoring in chemistry and other sciences. Major themes include bonding, molecular structure, isomerism, conformational analysis, nomenclature, reaction mechanisms, and synthesis. The lecture emphasizes the mechanisms, reactions, and synthesis of aliphatic compounds, such as alkanes, cycloalkanes, alkenes, alkynes, alkyl halides, and alcohols; the lab emphasizes the determination of physical properties and the separation, purification, and identification of organic compounds using spectroscopic techniques. UC CREDIT LIMITATION: Credit for CHEM 210 or CHEM 210H. C-ID CHEM-150 and CHEM-160S (with CHEM 211/CHEM 211H).

CHEM 211: Organic Chemistry II: For Science Majors
Units: 5
Prerequisites: CHEM 210.
Enrollment Limitation: Not open to students with prior credit in CHEM 211H.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This continuation of the one-year organic chemistry sequence emphasizes the application of organic chemistry reactions, mechanisms and synthesis learned in CHEM 210 to other compounds. It examines new reactions for different functional groups, including alcohols, thiols, aldehydes, ketones, arenes, carboxylic acid and its derivative, amines, and their application in biological molecules. UC CREDIT LIMITATION: Credit for CHEM 211 or CHEM 211H. C-ID CHEM-160S (with CHEM 210/CHEM 210H).

CHEM 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Chicano/Chicana Studies

Chicana/Chicano studies is the interdisciplinary study of the socio-historical and contemporary factors that influence contemporary Chicana/o and Chicanx/Latinx cultures including their pre-Hispanic roots in the Americas. Chicana/Chicano studies focus on systematic racism, ethnocentrism, and Eurocentrism with the ultimate goal of overcoming systems of oppression throughout the world. Chicana/Chicano studies also investigates how race/ethnicity intersects with colonialism, imperialism, class, gender, and sexuality.

Students take courses to prepare for a Chicana/Chicano studies major or to fulfill general education requirements. Career options include teaching at the high school and college level, social work, non-profit work, human services, counseling, law enforcement, legal professions, and business.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: Olivia Quintanilla
Dean: Jonathan Fohrman
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/sociology/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/sociology/)

Department: Ethnic Studies
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Craig Perez
India Pierce
Olivia Quintanilla
Katherine Steelman

Courses

CCS 100: Introduction to Chicana/o Studies
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 230 or CCS 230.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course is an introductory survey of the field of Chicana and Chicano studies, including its origins, evolution, current status, and academic and career path possibilities. It uses a critical interdisciplinary approach to mobilize a robust array of research methods, theoretical frameworks, and applied practices to analyze the historical development, contemporary issues, intellectual traditions, and cultural expressions of Chicana and Chicano populations in the US. The course is designed for all students interested in interdisciplinary approaches, community engagement, cultural competency, and social justice as well as the fields of Chicana and Chicano studies and ethnic studies. (Formerly SOC 230/CCS 230)

CCS 232: Critical Issues in Chicana and Latina Studies
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 232.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course examines critical themes in Chicana and Latina feminist scholarship and the lived experiences of Chicana and other Latina women in American society. It applies an interdisciplinary approach to examine power within and resistance to the family, religion, education, economics, culture, social conditions, health, and other areas.

Child Development

The Child Development program explores the social/emotional, cognitive/language, and physical/motor growth and development of children from conception through adolescence. Students take child development courses to obtain a certificate or permit, to earn an associate degree, to prepare for university transfer, or for professional enrichment.

Career options include a variety of professions that serve children and their families, such as infant/toddler care, preschool teaching (including Head Start), elementary and secondary education, early childhood special education, program administration, school counseling, child psychology, child advocacy, social work, and community services.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: Claudia Flores
Dean: Annie Ngo
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/child-development/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/child-development/)

Department: Child Development
Office: Building OC3600, 760.795.6807

Full-Time Faculty

Ashley Davis
Claudia Flores
Ansina Green
Rhonda Welch-Scalco

Associate Degrees

Associate in Arts Degrees

Child Development Associate Teacher
Child Development Master Teacher
Child Development Site Supervisor
Child Development Teacher

Students may earn one of the above-named associate degrees by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 73)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Associate in Arts Degree

Child and Adolescent Development for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a child and adolescent development degree, an emphasis or option within a child and adolescent development degree, or a degree considered similar to child and adolescent development at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation.

This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a child and adolescent development major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to analyze and apply principles of growth and development from conception through adolescence.

Course Requirements

Required Core:		10
CDEV C1000	Child Growth and Development	
PSYC C1000	Introduction to Psychology *	
or PSYC C1000H	Introduction to Psychology (Honors)	
BTEC 180	Biostatistics *	
or BUS 204	Business Statistics	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
or STAT C1000	Introduction to Statistics	
or STAT C1000E	Introduction to Statistics (Embedded Support)	
or STAT C1000H	Introduction to Statistics (Honors)	
List A: 3 courses.		9
CDEV 200	Observation & Assessment in Early Childhood	
CDEV 210	Child, Family, and Community	
PSYC 205	Research Methods in Psychology	
or SOCI 205	Introduction to Research Methods in Sociology	
Total Units		**19**

* Course satisfies a general education requirement on the Cal-GETC general education (GE) pattern. Note: All of the statistics and honors courses listed are also GE courses.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Science Degree

Early Childhood Education for Transfer

Students completing this associate degree will have completed the lower-division major preparation for a bachelor's degree in child development, early childhood education, or a similar major at a participating CSU campus. Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree.

Students completing this degree program will also be prepared for employment in a variety of school and community settings. Early Childhood Education students with this degree possess the competencies to work in both private and public early care and education settings serving infants through preschool-age children. Students can also work as a teacher in a before-and-after school program serving school-age children. This degree meets the course work requirements of the Teacher level Child Development Permit from the California Commission on Teacher Credentialing.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
CDEV C1000	Child Growth and Development	3
CDEV 105	Principles and Practices of Teaching Young Children	3
CDEV 106	Introduction to Curriculum in Early Childhood	3
CDEV 200	Observation & Assessment in Early Childhood	3
CDEV 205	Health, Safety, and Nutrition	3
CDEV 210	Child, Family, and Community	3
CDEV 235	Children in a Diverse Society	3
CDEV 270	Practicum - The Student Teaching Experience	3
Total Units		**24**

* Course satisfies a general education requirement on the Cal-GETC general education pattern.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

The Child Development program certificates are designed to prepare students for employment as teachers, aides, directors, and entrepreneurs in preschools, child care centers (including infant/toddler facilities), and family child care programs. Courses are also appropriate for parents, nannies, camp counselors, recreation leaders, elementary school teaching assistants, social service and health care practitioners, administrators, and others working with children.

Certificates meet the course requirements for teachers and directors of private child care programs licensed by the California State Department of Social Services (Title 22), Community Care Licensing. The program also meets the coursework requirements for the Child Development Permit issued by the California Commission on Teacher Credentialing. Child development programs that are state or federally funded (Title 5 programs, such as Head Start and state preschools) follow the Child Development Permit Matrix.

The Child Development program offers six certificates to meet the individual student's needs. Because the certificates follow the Child Development Permit Matrix and are sequential, students can continue to earn additional certificates. Course work completed for the Assistant and Associate Teacher certificates provides the foundation for more specialized courses and a wider range of career options with the Teacher, Master Teacher, Site Supervisor, and Early Intervention and Inclusion certificates.

Certificate of Achievement

Child Development Associate Teacher

This certificate exceeds the minimum teaching requirements for centers regulated by Title 22. It also meets the Associate Teacher Permit requirements for provision of instruction and supervision of assistant teacher-level staff in Title 5 schools.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
CDEV 105	Principles and Practices of Teaching Young Children	3
CDEV 205	Health, Safety, and Nutrition	3
CDEV 210	Child, Family, and Community	3
CDEV 112	The Developing Child: Conception through Early Childhood	3
or CDEV C1000	Child Growth and Development	
Select at least 6 elective units from the following:		6
CDEV 106	Introduction to Curriculum in Early Childhood	
CDEV 109	Child Behavior and Guidance	
CDEV 111	Programs for Infants and Toddlers	
CDEV 130	Science and Math for Young Children	
CDEV 140	Language and Literacy in Early Childhood	
CDEV 150	Art for Young Children	
CDEV 160	Music and Movement for Young Children	
CDEV 200	Observation & Assessment in Early Childhood	

CDEV 230	Family Engagement in Early Childhood Programs	
CDEV 235	Children in a Diverse Society	
CDEV 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

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.

Course Requirements

Required courses:		
CDEV 105	Principles and Practices of Teaching Young Children	3
CDEV 109	Child Behavior and Guidance	3
CDEV 111	Programs for Infants and Toddlers	3
or CDEV 212	Advanced Issues in Infant-Toddler Care	
CDEV 112	The Developing Child: Conception through Early Childhood	3
or CDEV C1000	Child Growth and Development	
CDEV 205	Health, Safety, and Nutrition	3
CDEV 210	Child, Family, and Community	3
CDEV 230	Family Engagement in Early Childhood Programs	3
CDEV 240	Children with Special Learning Needs	3
CDEV 270	Practicum - The Student Teaching Experience	3
Total Units		**27**

* This course has the following prerequisites: CDEV 105, CDEV 106, CDEV 112 or CDEV C1000, and CDEV 210.

Certificate of Achievement

Child Development Teacher

This certificate exceeds the minimum teaching requirements for centers regulated by Title 22. It also meets the Teacher Permit requirements for provision of instruction and supervision of assistant or associate teacher-level staff in a Title 5 (state or federally funded) child development program.

Program Student Learning Outcome

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.

Course Requirements

See notation for 16-unit general education requirement.

Required courses:		
CDEV 105	Principles and Practices of Teaching Young Children	3
CDEV 106	Introduction to Curriculum in Early Childhood	3
CDEV 109	Child Behavior and Guidance	3
CDEV 112	The Developing Child: Conception through Early Childhood	3
or CDEV C1000	Child Growth and Development	
CDEV 200	Observation & Assessment in Early Childhood	3
CDEV 205	Health, Safety, and Nutrition	3
CDEV 210	Child, Family, and Community	3
CDEV 270	Practicum - The Student Teaching Experience	3
Select at least 3 elective units from the following:		3
CDEV 111	Programs for Infants and Toddlers	
CDEV 130	Science and Math for Young Children	
CDEV 140	Language and Literacy in Early Childhood	
CDEV 150	Art for Young Children	
CDEV 160	Music and Movement for Young Children	
CDEV 230	Family Engagement in Early Childhood Programs	
CDEV 235	Children in a Diverse Society	
CDEV 240	Children with Special Learning Needs	
Select at least 16 units in general education.		16
Include at least one course in each of the following: Humanities, Social Sciences, Math and/or Science, English.		
Total Units		**43**

* This course has the following prerequisites: CDEV 105, CDEV 106, CDEV 112 or CDEV C1000, and CDEV 210.

Note: To be eligible for the State of California Child Development Permit—Teacher, students must also complete an experience requirement of 175 days of 3 or more hours per day within 4 years.

Certificate of Achievement

Child Development Master Teacher

This certificate exceeds the minimum teaching requirements for Title 22 schools. It is designed to meet the Master Teacher requirements for Title 5 child development programs. This includes providing instruction, supervising assistants, associate

teachers, and teacher-level staff, and serving as coordinator of curriculum and staff development.

Program Student Learning Outcome

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.

Course Requirements

See notation for 16-unit general education requirement.

Required courses:		
CDEV 105	Principles and Practices of Teaching Young Children	3
CDEV 106	Introduction to Curriculum in Early Childhood	3
CDEV 109	Child Behavior and Guidance	3
CDEV 112	The Developing Child: Conception through Early Childhood	3
or CDEV C1000	Child Growth and Development	
CDEV 200	Observation & Assessment in Early Childhood	3
CDEV 205	Health, Safety, and Nutrition	3
CDEV 210	Child, Family, and Community	3
CDEV 245	Adult Supervision and Mentoring in Early Care and Education	3
CDEV 270	Practicum - The Student Teaching Experience	3
Select at least 3 units from the following:		3
CDEV 130	Science and Math for Young Children	
CDEV 140	Language and Literacy in Early Childhood	
CDEV 235	Children in a Diverse Society	
Select at least 6 units from one area of specialization :		6
Infant/Toddler		
CDEV 111	Programs for Infants and Toddlers	
CDEV 212	Advanced Issues in Infant-Toddler Care	
Creative Arts		
CDEV 150	Art for Young Children	
CDEV 160	Music and Movement for Young Children	
Special Needs		
CDEV 230	Family Engagement in Early Childhood Programs	
CDEV 240	Children with Special Learning Needs	
Consult faculty for other specialization options.		
Select at least 16 units in general education.		16
Include at least one course in each of the following: Humanities, Social Sciences, Math and/or Science, English.		
Total Units		**52**

* This course has the following prerequisites: CDEV 105, CDEV 106, CDEV 112 or CDEV C1000, and CDEV 210.

Note: To be eligible for the State of California Child Development Permit—Master Teacher, students must also complete an experience requirement of 350 days of 3 or more hours per day within 4 years.

Certificate of Achievement

Child Development Site Supervisor

This certificate is designed for students who will be single-site supervisors under Title 5 or center directors under Title 22. It allows holders to supervise master teachers, teachers, associate teachers, and assistants as well as to manage single-site programs, provide instruction, and serve as coordinators of curriculum and staff development.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
CDEV 105	Principles and Practices of Teaching Young Children	3
CDEV 106	Introduction to Curriculum in Early Childhood	3
CDEV 109	Child Behavior and Guidance	3
CDEV 112	The Developing Child: Conception through Early Childhood	3
or CDEV C1000	Child Growth and Development	
CDEV 200	Observation & Assessment in Early Childhood	3
CDEV 205	Health, Safety, and Nutrition	3
CDEV 210	Child, Family, and Community	3
CDEV 245	Adult Supervision and Mentoring in Early Care and Education	3
CDEV 250	Administration I: Programs in Early Childhood Education	3
CDEV 251	Administration II: Personnel and Leadership in Early Childhood Education	3
CDEV 270	Practicum - The Student Teaching Experience	3
Select at least 3 elective units from the following:		3
CDEV 111	Programs for Infants and Toddlers	
CDEV 230	Family Engagement in Early Childhood Programs	
CDEV 235	Children in a Diverse Society	
CDEV 240	Children with Special Learning Needs	
Total Units		**36**

* This course has the following prerequisites: CDEV 105, CDEV 106, CDEV 112 or CDEV C1000, and CDEV 210.

Note: To be eligible for the State of California Child Development Permit—Site Supervisor, students must also complete an Associate in Arts degree and an experience requirement of 350 days of 3 or more hours per day within 4 years, including at least 100 days of supervising adults.

Certificate of Achievement

Family Child Care Entrepreneurship

This certificate program is designed to prepare students to launch, operate, and sustain a licensed family child care business that reflects high standards in both child development and small business ownership. It supports students in building the dual competencies needed to provide developmentally appropriate, inclusive care for children while managing the financial, regulatory, and operational aspects of a high-quality home-based early learning program.

Program Student Learning Outcome

Upon completion of the program, students will be able to operate a licensed family child-care business that integrates developmentally appropriate and inclusive early learning practices with foundational knowledge of financial management, regulatory compliance, and effective program administration.

Required courses:		
CDEV 104	Family Child Care Business Essentials	3
CDEV 105	Principles and Practices of Teaching Young Children	3
CDEV 106	Introduction to Curriculum in Early Childhood	3
CDEV 112	The Developing Child: Conception through Early Childhood	3
or CDEV C1000	Child Growth and Development	
CDEV 200	Observation & Assessment in Early Childhood	3
CDEV 205	Health, Safety, and Nutrition	3
CDEV 210	Child, Family, and Community	3
Major Electives - complete two of the following:		6
CDEV 109	Child Behavior and Guidance	
CDEV 111	Programs for Infants and Toddlers	
CDEV 235	Children in a Diverse Society	
CDEV 240	Children with Special Learning Needs	
Total Units		**27**

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

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.

Course Requirements

Required courses:		
CDEV 112	The Developing Child: Conception through Early Childhood	3
or CDEV C1000	Child Growth and Development	
CDEV 210	Child, Family, and Community	3
Select at least 6 elective units from the following:		6
CDEV 105	Principles and Practices of Teaching Young Children	
CDEV 106	Introduction to Curriculum in Early Childhood	
CDEV 109	Child Behavior and Guidance	
CDEV 111	Programs for Infants and Toddlers	
CDEV 130	Science and Math for Young Children	
CDEV 140	Language and Literacy in Early Childhood	
CDEV 150	Art for Young Children	
CDEV 160	Music and Movement for Young Children	
CDEV 205	Health, Safety, and Nutrition	
Total Units		**12**

Courses

CDEV C1000: Child Growth and Development
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in CHLD 113.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

Students examine the progression of development in the physical, cognitive, social, and emotional domains and identify developmental milestones for children from conception through adolescence. Emphasis is on interactions between biological processes, environmental, and cultural factors. Students may engage in various methods of observing children's development to evaluate individual differences and analyze development characteristics at various stages according to developmental theories. UC CREDIT LIMITATION: Credit for CHLD 112, CHLD 113, CDEV 112, CDEV C1000, or PSYC 121. Formerly CHLD 113. C-ID CDEV-100.

CDEV 104: Family Child Care Business Essentials
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on developing and operating a high-quality family child care program. It emphasizes core theoretical principles of early childhood education, business management, relationship-based care, family engagement, culturally responsive practices, curriculum development, and implementation designed for mixed-age groups in a home-based setting. Other topics include licensing regulations, health and safety requirements, developmentally appropriate practices, observation and assessment, and strategies for creating a nurturing and inclusive learning environment.

CDEV 105: Principles and Practices of Teaching Young Children
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces working with young children in early care and education programs. It examines the theories and principles of developmentally appropriate practice in early learning environments and emphasizes positive relationships; constructive adult-child interactions; program planning; and culturally responsive, effective teaching strategies that draw upon cultural funds of knowledge in children and families. Topics include the historical roots of early childhood programs; contemporary curriculum models; diversity, equity, and inclusion; and the evolution of professional practices promoting advocacy, ethics, professional identity, and an understanding of career pathways. Formerly CHLD 105. C-ID ECE-120.

CDEV 106: Introduction to Curriculum in Early Childhood
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces teachers of young children (birth to age eight) 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. Formerly CHLD 106. C-ID ECE-130.

CDEV 109: Child Behavior and Guidance
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course relates children's behavior to appropriate teaching and parenting strategies and interventions. It explores effective techniques for interacting with children, including children with special needs, and addresses issues such as separation from parents, new experiences, routines, peer interaction, fears, frustrations, and aggression. Students learn how to access community agencies and family services to provide specialized support. Formerly CHLD 109.

CDEV 111: Programs for Infants and Toddlers
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is specifically designed for caregivers of infants and toddlers. It focuses on the growth and development of the child, prenatal through three years of age, within various social contexts. Topics include fostering relationships, implementing health and safety practices, designing early learning environments and activities, accommodating individual differences, and creating partnerships with parents and families. This course meets state licensing requirements for child care providers. Formerly CHLD 111.

CDEV 112: The Developing Child: Conception through Early Childhood
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course examines the major physical, cognitive, language, and 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. Formerly CHLD 112. UC CREDIT LIMITATION: Credit for CHLD 112, CHLD 113, CDEV 112, CDEV C1000, or PSYC 121.

CDEV 130: Science and Math for Young Children
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course provides teachers with knowledge and skills related to science and mathematics curriculum in early care and education settings. It focuses on understanding the ways in which children learn science and mathematics, the stages of children's cognitive development, the scientific process, content and standards of science and mathematics education, the teacher's role in the scientific process, and ways in which science and mathematics can be integrated across the early childhood curriculum. Formerly CHLD 130.

CDEV 140: Language and Literacy in Early Childhood
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course gives teachers of young children the skills and knowledge needed to effectively plan, document, and implement language and literacy activities in the early childhood classroom. It focuses on understanding how our image of the child reflects the methods and materials provided for language and literacy. Topics include the developmental stages of children's language and communication skills, the teacher's role in language and literacy, and ways in which language and literacy can be integrated across the early childhood curriculum. Formerly CHLD 140.

CDEV 150: Art for Young Children
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course prepares early childhood educators with the skills and knowledge to foster creativity, identity development, and aesthetic awareness through exploration of diverse art media and developmentally appropriate experiences. Emphasis is placed on how educators' image of the child shapes teaching strategies, the progression of children's art, and the design of inclusive, culturally sustaining, anti-bias environments. Topics include studio and art center design; planning, observing, documenting, and exhibiting children's artwork; the teacher's role in the creative process; and integrating art and aesthetics across all domains of the early childhood curriculum. Formerly CHLD 150.

CDEV 160: Music and Movement for Young Children
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course equips early childhood educators with the skills and knowledge to meaningfully incorporate music and movement into the early learning environment to support self-expression, belonging, and holistic development. Topics include how educators' image of the child influences the selection of methods and materials; developmental stages of musical and bodily expression; and the creation of music and movement experiences that are culturally sustaining, developmentally appropriate, trauma-informed, and inclusive of all learning needs. Students will explore the teacher's role in facilitating creative processes, strategies for planning, documenting, and adapting music and movement experiences, and methods for integrating music and movement across all domains of early childhood curriculum. Formerly CHLD 160.

CDEV 200: Observation & Assessment in Early Childhood
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on the appropriate use of observation and assessment strategies to document child growth and development, appraise child behavior, and plan for learning in quality early childhood programs. The course also explores recording strategies, rating systems, portfolios, documentation, and various assessment methods. Students are required to conduct and analyze in-person child observations. Formerly CHLD 200. C-ID ECE-200.

CDEV 205: Health, Safety, and Nutrition
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course provides those who care for children (birth through middle childhood) with 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 the teacher's role in prevention strategies, culturally and developmentally appropriate practice, integration of health, safety and nutrition experiences into daily routines, collaboration with families and health professionals, policies and regulations, children with special needs, and current issues. Formerly CHLD 205. C-ID ECE-220.

CDEV 210: Child, Family, and Community
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course examines the developing child in a societal context and focuses on the interrelationships of family, school, and community as agents of socialization from historical, socio-cultural, and contemporary perspectives. The course highlights the processes of socialization and identity development, demonstrating the importance of respectful, reciprocal relationships that support and empower families in a culturally diverse society. Formerly CHLD 210. C-ID CDEV-110.

CDEV 212: Advanced Issues in Infant-Toddler Care
Units: 3
Prerequisites: None
Advisory: CDEV 111
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course helps infant and toddler caregivers and directors interpret and apply the guidelines for quality care for children birth through three years of age. Topics include the role of the infant care teacher, new insights into early learning and development, the central role of families, guidelines for operating quality infant/toddler programs, facilitating learning and development with infants and toddlers, and program leadership and policies. This course meets state licensing requirements for child care providers and is aligned with the California Infant/Toddler Learning and Development Foundations and Curriculum Framework, and it can be combined with CDEV 111 as an area of specialization for the Master Teacher Permit/Certificate. Formerly CHLD 212.

CDEV 230: Family Engagement in Early Childhood Programs
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course examines the ways in which early care and education program staff can build ongoing, reciprocal, and respectful relationships with program families. The course focuses on identifying communication methods and interactional strategies that promote successful family engagement and parent/professional partnerships from a strength-based approach. Topics include family dynamics and well-being; parenting styles; families as life-long educators; cultural, linguistic, gender, and developmental diversity; community resources; and support systems. Formerly CHLD 230.

CDEV 235: Children in a Diverse Society
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course examines the historical and current perspectives on diversity and inclusion and the impact of systemic societal influences on children's development, learning, and school experiences. It also explores anti-bias strategies that can be utilized in the classroom and/or in social settings to support children from diverse cultures, as well as approaches to promote inclusive, anti-racist classroom communities along with the promotion of language and identity development of multilingual children. The course includes self-reflection on the influence of teachers' own culture and life experiences on teaching and interactions with children and families. Formerly CHLD 235. C-ID ECE-230.

CDEV 240: Children with Special Learning Needs
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on learning to work with children with a wide range of abilities, challenging behaviors, and other special learning needs in inclusive early childhood settings. Topics include attention to relevant special education legislation and family-focused practices. The course emphasizes adapting programming, curriculum and classroom teaching strategies to meet the needs of all young children, including those from culturally diverse backgrounds. Formerly CHLD 240.

CDEV 245: Adult Supervision and Mentoring in Early Care and Education
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: To be arranged

Teachers of young children study the methods and principles of supervising and mentoring teachers, assistant teachers, student teachers, parents, and volunteers in early childhood classrooms. The course emphasizes the knowledge, skills, and competencies of classroom teachers who must function as new teacher mentors and address the needs of children, parents, and other adult learners. Topics include effective communication, problem solving, and negotiation in establishing positive interpersonal relations. Formerly CHLD 245.

CDEV 250: Administration I: Programs in Early Childhood Education
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall

This course is designed for directors and assistant directors of early childhood programs. Topics include program types, budget, management, licensing and state regulations, development and implementation of policies and procedures, working with diverse populations, and health and safety guidelines. Students examine administrative tools, philosophies, and techniques needed to organize, open, and operate an early care and education program. Formerly CHLD 250.

CDEV 251: Administration II: Personnel and Leadership in Early Childhood Education
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course is designed for directors and assistant directors of early childhood programs. Topics include effective strategies for personnel management, legal and ethical responsibilities, supervision techniques, professional development, and in-service training. Additional focus includes strategies for partnering with parents, motivating staff, and fostering effective community relations within diverse cultural contexts. Formerly CHLD 251.

CDEV 270: Practicum - The Student Teaching Experience
Units: 3
Prerequisites: CDEV 105, CDEV 106, CDEV 210, CDEV C1000, or CDEV 112
Enrollment Limitation: Not open to students with prior credit in CHLD 270.
Acceptable for Credit: CSU
Lecture 1 hour, laboratory 6 hours.
Course Typically Offered: Fall, Spring

Teachers of young children apply developmentally appropriate early childhood teaching competencies under guided supervision in the campus Child Development Center or in a community early childhood program. Students use their practicum experience to connect theory and practice as they develop professional behaviors and build a comprehensive understanding of children and families. The course emphasizes child-centered, play-oriented approaches to teaching, learning, planning, and assessment. Formerly CHLD 270. C-ID ECE-210.

CDEV 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

CDEV 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Communication Studies

The Communication Studies program provides students with a theoretical and methodological foundation of the nature of communication in its various forms and contexts as well as the uses, effects, and relevancy of communication in their own lives.

Students take communication courses to prepare to transfer with a major in communication or to meet general education requirements.

A bachelor's degree in communication can lead to a career in advertising, broadcasting, community relations, consulting, counseling, education, film, foreign service, fundraising, human resources, journalism, international relations, law, management, marketing, mediation, ministry, politics, public relations, sales, speech writing, and social work.

Academic and Career Pathway

Languages, Communication, and Humanities (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/)

Contact Information

Chair: Leola Powers
Dean: Lauren Halsted
https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/communication-studies/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/communication-studies/)

Department: Communication Studies
Office: San Elijo, Building SAN1100, 760.795.6841

Full-Time Faculty

Sam Arenivar
Rachel Hastings
Anthony Ongyod
Leola Powers
Eric Robertson

Associate Degree

Associate in Arts Degree

Communication Studies for Transfer 2.0

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.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to present clear and effective messages and understand the relevance of the theories and methods of communication.

Course Requirements

Required Core:		
COMM C1000	Introduction to Public Speaking *	3
COMM C1004	Interpersonal Communication	3
List A: 6 Units. Select two courses.		6
COMM 106	Group Communication	
COMM 111	Narrative Performance	
COMM 120	Principles of Human Communication *	
COMM 212	Argumentation	
COMM 215	Intercultural Communication *	
COMM 220	Introduction to Mass Communication *	
List B: 6 Units. Select two courses.		6
Any course from List A not already used.		
COMM 135	Gender Studies in Communication *	
COMM 144	Race and Ethnicity in Communication	
COMM 186	Social Media Strategies for Communication Studies	
Total Units		**18**

* Course satisfies a general education requirement on the Cal-GETC 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.

Courses

COMM C1000: Introduction to Public Speaking
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in COMM 101.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students learn and apply foundational rhetorical theories and techniques of public speaking in a multicultural democratic society. Students discover, develop, and critically analyze ideas in public discourse through research, reasoning, organization, composition, delivery to a live audience, and evaluation of various types of speeches, including informative and persuasive speeches. Formerly COMM 101. C-ID COMM-110.

COMM C1004: Interpersonal Communication
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in COMM 207.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers theory, research, and application of ethical one-to-one communication practices in various and diverse interpersonal relationships including in personal, professional, and social situations. This course provides students with the foundational knowledge and practice of speech making and the necessary role of public address in a democratic society, while simultaneously emphasizing theory and research about communication in a variety of interpersonal contexts. This course exposes students to rhetorical theory, interpersonal theory, and public speaking fundamentals within the context of their interpersonal communication processes and live presentations including informative and persuasive speeches. Formerly COMM 207. C-ID COMM-130.

COMM 106: Group Communication
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course provides students with the foundational knowledge and practice of speech making and the necessary role of public address in a democratic society, while simultaneously emphasizing theory and research about communication in a variety of group contexts. This course exposes students to rhetorical theory, group theory, and public speaking fundamentals within the context of their group communication processes and live presentations (including informative and persuasive speeches). Students will learn historical roots and key rhetorical theories that ground the study and practice of public speaking and be able to learn, develop, and critically analyze ideas and information in public discourse. Students will explore and evaluate group communication processes, including roles, problem-solving, conflict management, leadership, ethics, and decision-making. C-ID COMM 140.

COMM 111: Narrative Performance
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces narrative performance and analysis of narrative works of art in their intellectual, emotional, and aesthetic forms. Class readings include traditional and contemporary approaches to storytelling and types of narratives, such as prose, poetry and drama. Students develop methods for constructing narratives and performance strategies for telling stories, including vocal and physical expressiveness, variety, and flexibility through narrative performance. C-ID COMM-170.

COMM 120: Principles of Human Communication
Units: 3
Prerequisites: None
Advisory: ENGL C1000
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces human communication concepts and theories. It focuses on the role and significance of communication in and across different contexts, and it covers the basic structures and processes of communication. Topics include message production, message reception, and varying influences on human communication, such as interpersonal, intercultural, and mediated contexts. C-ID COMM-180.

COMM 135: Gender Studies in Communication
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course examines the different gender communication patterns. 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 144: Race and Ethnicity in Communication
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course provides both a theoretical and a practical exploration of how we communicate race and ethnicity in the United States. Topics include how contemporary and historical constructions of race and ethnicity influence identity construction, everyday interactions, and intercultural social dynamics. The course emphasizes developing racial and ethnic awareness concerning situations where perceived racial or ethnic differences factor into communication outcomes. Students engage with qualitative analysis, social, cultural, and political theories, and power relations related to the representations of Native Americans, African Americans, Asian Americans, and/or Latinas/os in contemporary popular culture in the US.

COMM 186: Social Media Strategies for Communication Studies
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course explores the growing need for social media technology from a communication perspective within and across multiple online contexts. Students gain the knowledge and skills to effectively apply communication theories and concepts to social media and digital contexts to gain an understanding of online behaviors and practices. Students learn how to communicate messages for an intended audience within social media environments and are introduced to social media technologies and digital communication methods, such as branding, content creation, team organization, distribution channels, strategies, and ways to assess digital platforms.

COMM 212: Argumentation
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

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 C1000
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course analyzes the cultural factors and variables that influence human-communication choices and actions. It focuses on perception, language, reasoning, nonverbal messages, values, beliefs, attitudes, and rules. Students learn to identify the cultural principles and variables of communication so as to act effectively and responsibly when interacting with diverse persons in various contexts. C-ID COMM-150.

COMM 220: Introduction to Mass Communication
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course covers the history, role, and impact of mass media in the United States. It demonstrates various media operations in the US 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: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

COMM 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Computer Science

Computer science is the study of computers and their applications. This discipline includes a variety of specialties, such as software engineering, data science, electrical engineering, human-computer interaction, systems programming, artificial intelligence, robotics, networking, and graphics.

In preparation for transfer into more advanced fundamental and specialized areas, students learn the fundamentals of programming, data structures, and computer architecture. Computer science majors will also need two or three semesters of calculus and discrete mathematics, depending on their choice of transfer institution. Career options in computer science include software engineer, computer engineer, electrical engineer, data scientist, systems analyst, database administrator, and software project manager.

(See also: Computer Studies & Information Technology (p. 174))

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Contact Information

Chair: Nery Chapeton-Lamas
Dean: Annie Ngo
https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/computer-science/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/computer-science/)

Department: Computer Science
Office: Building OC3600, 760.795.6807

Full-Time Faculty

Nery Chapeton-Lamas
Eduardo Mariscal
Michael Paulding
Catherine Walker

Associate Degrees

Associate in Arts Degree

Software Development

Students may earn the above-named associate degree by completing a certificate of achievement and the general education courses required for MiraCosta's Associate in Arts degree (see Associate Degrees (p. 73)). 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

Computer Science for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a computer science degree, an emphasis or option within a computer science degree, or a degree considered similar to computer science at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a computer science major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to develop communication, critical thinking, algorithmic analysis, programming, and problem-solving skills that will effectively prepare them for advanced study in computer science at the university level.

Course Requirements

Required courses:		
CS 111	Introduction to Computer Science I: Java	3
CS 113	Basic Data Structures and Algorithms	3
CS 220	Computer Architecture and Embedded Systems	3
CS 226	Discrete Structures	4
MATH C2210	Calculus I: Early Transcendentals *	5-7
or MATH C2210E	Calculus I: Early Transcendentals - Embedded Support	
or MATH C2210H	Calculus I: Early Transcendentals - Honors	
MATH C2220	Calculus II: Early Transcendentals *	4
PHYS 151	Principles of Physics I *	4
BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology *	4-5
or CHEM 150	General Chemistry I: For Science Majors	
or PHYS 152	Principles of Physics II	
Total Units		**30-33**

* Course satisfies a general education requirement on the Cal-GETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the BIO, CHEM, MATH, and PHYS courses listed are also GE courses.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Certificate

Certificate of Achievement

Software Development

This certificate provides a strong foundation for knowledge of basic object-oriented programming (OOP) techniques and data structures used in computer science. Students gain experience in several OOP programming languages and in analyzing and assessing problems and formulating appropriate solutions. Completing this certificate will help students advance

in their careers as computer programming professionals and solidify the foundation of their computer science skills.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to analyze, collaborate, design, develop and discuss mature software solutions to complex and abstract programming problems utilizing efficient and appropriate algorithms.

Course Requirements

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 138	Programming with Python	3
or CS 150	C++ Programming	
CS 210	Software Engineering	3
CS 220	Computer Architecture and Embedded Systems	3
Select at least 6 elective units from the following:		6-7
BUS 133	Project Management	
CS 101	Introduction to Computer Science Principles	
CS 134	Mobile Application Development	
CS 138	Programming with Python	
CS 139	Advanced Programming with Python	
CS 150	C++ Programming	
CS 151	Advanced C++ Programming	
CS 155	Introduction to Game Development	
CS 226	Discrete Structures	
or MATH 226	Discrete Mathematics	
MAT 145	UI/UX Design	
or MAT 150	Animation and Interactivity	
or MAT 190	Programming for Animation, Interactivity, and Games	
Total Units		**24-25**

Certificate of Proficiency

Game Developer

This certificate provides the focused skill set necessary for video game development. Students gain experience in writing efficient code and designing the user experience while developing strong problem-solving skills. Curriculum emphasizes the data structures, algorithms, and software architecture techniques used to create games. Completing this certificate will help students advance their careers as game developers and solidify the foundation of their computer science skills.

Program Student Learning Outcome

Upon completion of this program, students will be able to demonstrate proficiency in the fundamental techniques of video game design and development.

Course Requirements

Required courses:		
CS 111	Introduction to Computer Science I: Java	3
or CS 150	C++ Programming	
CS 155	Introduction to Game Development	3
Select one course from the following:		3
MAT 145	UI/UX Design	
MAT 150	Animation and Interactivity	
MAT 190	Programming for Animation, Interactivity, and Games	
Total Units		**9**

Certificate of Proficiency

Mobile Application Development

The Mobile Application Development certificate offers students familiar with programming languages or just starting out the opportunity to specialize in mobile app development for smartphones and tablets with an open-source platform. Students employ active learning with Integrated Development Environments (IDEs), frameworks, APIs, designing and handling user input, designing layouts, application events, managing navigation, and core device features, such as GPS, accelerometers, and touch gestures.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to demonstrate proficiency in the fundamental techniques of mobile application development.

Course Requirements

Required courses:		
CS 111	Introduction to Computer Science I: Java	3
CS 112	Introduction to Computer Science II: Java	3
CS 134	Mobile Application Development	3
Select one course from the following:		3
MAT 145	UI/UX Design	
MAT 150	Animation and Interactivity	
MAT 190	Programming for Animation, Interactivity, and Games	
Total Units		**12**

Courses

CS 101: Introduction to Computer Science Principles
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces beginning or exploring students to core principles, theories, and topics in computer science while emphasizing their relevance in society. Topics include general computational problem-solving techniques, design of digital devices, how computers work, and how to design, implement, test, and document programs in both an interactive and a high-level programming language (Python). This course is highly recommended for students prior to taking a beginning programming class (CS 111, CS 150, CS 138, or CS 155), non-computer science majors, or those interested in exploring computer science. C-ID COMP-112.

CS 111: Introduction to Computer Science I: Java
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces object-oriented programming and concepts designed primarily for students majoring in computer science and engineering who have some programming fundamentals. The course uses topics of personal and social relevance to investigate the impacts of computing through exploring language basics, including control structures, data types, input/output, operators, classes, methods and parameters, basic inheritance, and documentation practices as well as testing and verification techniques. UC CREDIT LIMITATION: No credit for CS 111 if taken after CS 112. C-ID COMP 122, ITIS-130.

CS 112: Introduction to Computer Science II: Java
Units: 3
Prerequisites: CS 111.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course uses topics of personal and social relevance to investigate the impacts of computing through exploring advanced object-oriented programming concepts such as abstraction, inheritance, polymorphism, and encapsulation. Topics include recursion, generics, event-driven programming, graphical user interfaces, file input and output, and exception handling.

CS 113: Basic Data Structures and Algorithms
Units: 3
Prerequisites: CS 112 or CS 151.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

The course uses topics of personal and social relevance to investigate the impact of computing through efficient algorithms and properly designed data structures. Students explore the software development process by developing effective solutions using industry-standard tools. Topics include searching, sorting, hashing, algorithm analysis, object-oriented design, collections, lists, stacks, queues, trees, sets, dictionaries, and graphs. C-ID COMP-132.

CS 134: Mobile Application Development
Units: 3
Prerequisites: CS 112.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course covers how to develop applications for smartphones and tablets with the Android open-source platform. Topics include the Model-View-Controller architecture, designing and handling user input, defining activity layouts, application events, displaying images, managing navigation, and core device features, such as GPS, the Google Maps API, accelerometers, and touch gestures. Students leverage and expand their programming knowledge to build mobile applications from start to finish.

CS 138: Programming with Python
Units: 3
Prerequisites: None
Advisory: CS 101
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces the Python programming language and its features. Python, a dynamic, object-oriented, extensible language, is perfect for the beginner and also meets industry needs. Python is well-suited for applications ranging from simple data manipulation to large, complex applications. C-ID COMP-122.

CS 139: Advanced Programming with Python
Units: 3
Prerequisites: CS 138.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course continues with the Python programming language, using topics of personal and social relevance to investigate the impact of computing. This course includes data structures and libraries for modularization, data extraction and visualization, web APIs, server applications, and an introduction to machine learning.

CS 150: C++ Programming
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

Using an object-oriented approach to design and programming in the C++ language, this course covers data input/output, data types, control structures, operators, functions, and the operating environment. Upon successful completion of the course, students are able to construct moderately complex programs in C++. C-ID COMP-122.

CS 151: Advanced C++ Programming
Units: 3
Prerequisites: CS 150.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

In this advanced programming course, students design and implement increasingly complex C++ programs that build upon skills acquired in C++ Programming (CS 150). Students also develop appropriate and efficient methods to test their programs. Topics include polymorphism, inheritance, class libraries, the standard template library, pointers, advanced file input/output operations, recursion, virtual functions, exception handling, dynamic memory management, bitwise operators, and data structures, such as linked lists, stacks, queues, and binary trees.

CS 155: Introduction to Game Development
Units: 3
Prerequisites: None
Advisory: CS 101
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course provides an introduction for students who have an interest in combining skills in programming, software development, and game development in C# and the Unity platform to create interactive games that reflect people and cultures, most especially those minoritized in the gaming industry. Students think critically about the industry while exploring how representation and their intentional choices change the impact of their work. The C# language encompasses functional, generic, object-oriented, and component-oriented programming disciplines, which students apply within Unity to create games that utilize a combination of gameplay mechanics, UI, and robust error handling.

CS 210: Software Engineering
Units: 3
Prerequisites: CS 112.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to team-based software development and engineering methods, including specification, design, implementation, testing, and process. It emphasizes team development, agile methods, software design, and use of software engineering tools, such as integrated development environments, version control, automated test framework, build automation, and software containers. As a culminating project, each team produces three deliverables: a Software Requirements Specification document, a Software Design Specification document, and an executable application satisfying stakeholder requirements.

CS 220: Computer Architecture and Embedded Systems
Units: 3
Prerequisites: CS 112 or CS 151.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces how computer hardware and software interact, focusing on the design, organization, and performance of computer architecture. Topics typically include computer organization, instruction sets, memory addressing, representation of numeric and non-numeric data, interrupts, computer arithmetic, and interfacing with hardware and programming in assembly language and other low-level languages to build embedded systems. C-ID COMP-142.

CS 226: Discrete Structures
Units: 4
Prerequisites: CS 111, CS 138, or CS 150 and MATH 126, MATH 126S, or eligibility determined by the math placement process.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

Designed for students majoring in computer science, this course introduces discrete mathematics, including logic, methods of proof, number theory, sets, counting, relations, recursion, recurrence relations, Boolean algebra, graphs, trees, and networks. Topics are illustrated with applications to computer science, including design and analysis of algorithms, undecidability, program correctness, and digital logic design. C-ID COMP-152.

CS 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

CS 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Computer Studies & Information Technology

The Computer Studies & Information Technology (CSIT) Department prepares students to succeed in a rapidly evolving digital economy by developing the technical knowledge, critical thinking, and ethical awareness required to use computing technologies effectively and responsibly. Students learn how technology systems function and how they can be applied to solve real-world organizational and societal problems.

The curriculum includes computing fundamentals, business productivity applications, information technology, networking, cybersecurity, and artificial intelligence. Courses combine conceptual understanding with hands-on practice, allowing students to design, manage, analyze, and support technology systems used in modern workplaces.

CSIT programs support transfer preparation, career education, and foundational digital literacy. Stackable certificates and associate degrees provide multiple entry and exit points, enabling students to build practical skills while preparing for transfer to four-year programs in fields such as information systems, computer science, and business technology.

Many courses align with competencies measured by industry-recognized certifications, such as Business Information Worker (BIW) Pathway I, II, and Specialist levels; Microsoft Office Specialist (Expert levels in Word, Excel, Access, and PowerPoint); IC3 Digital Literacy; Microsoft Desktop Support Technician; Windows administration credentials; CompTIA A+, Network+, Security+, Cybersecurity Analyst+ (CySA+), and PenTest+; EC-Council Certified Ethical Hacker (CEH); and Linux Professional Institute / Red Hat Certified System Administrator (RHCSA).

CSIT programs prepare students for technology-enabled roles across business, government, and nonprofit organizations, including IT support specialist, systems or network administrator, cybersecurity analyst, management information systems analyst, business applications specialist, artificial intelligence and emerging technology technician, and related technology support professions.

Guided by a commitment to human-centered technology, ethical responsibility, and lifelong learning, the department equips students to evaluate emerging technologies, collaborate effectively in professional environments, and adapt to the continually evolving digital workplace.

Academic and Career Pathway

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

Contact Information

Chair: Steve Isachsen
Dean: Annie Ngo
https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/computer-studies-and-information-technology/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/computer-studies-and-information-technology/)

Department: Computer Studies and Information Technology
Office: Building OC3600, 760.634.7854

Full-Time Faculty

Steve Isachsen
Rick White

Associate Degrees

Associate in Science Degrees
Artificial Intelligence
Computer Applications
Cybersecurity
Executive Administrative Professional
Information Technology
Internet and E-Commerce
Management Information Systems (MIS)
Systems Administration
Tech Support

Students may earn one of the above-named associate degrees by completing its respective certificate of achievement requirements and the general education courses required for MiraCosta College's Associate in Science degree (see Associate Degrees (p. 73)). 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
Artificial Intelligence

This program prepares students to pursue a variety of AI-related occupations, such as field support and prompt engineers, AI-enabled operators, expert liaison consultants, customer technical support representatives, and technical support specialists. The acquired skills enable graduates to collaborate with knowledge systems, providing individuals and organizations with valuable insights into operations and strategic opportunities.

Program Student Learning Outcome

Upon completion of this program, the student will be able to demonstrate AI Knowledge Management skills and techniques required of an advanced AI Technologist.

Course Requirements

Required courses:		
CSIT 110	Computer Applications	3
CSIT 120	Fundamentals of Computer Information Systems	3
CSIT 123	Introduction to Data Analytics	3
CSIT 150	Artificial Intelligence: Concepts	3
CSIT 151	Artificial Intelligence: Applications	3
CSIT 152	Artificial Intelligence: Strategies and Solutions	3
CSIT 155	Social Media for Business	3
CSIT 160	Technology, the Individual, and Society	3
or CSIT 165	Living in an Online World	
CSIT 195	IT Career Exploration and Portfolio Development	1
or CSIT 286	Professional Certification Preparation	
or CSIT 292	Internship Studies	
or CSIT 299	Occupational Work Experience Education	
Total Units		**25**

Certificate of Achievement
Executive Administrative Professional

This program prepares students with the modern-day skills needed to thrive in fast-paced executive environments. The courses focus on advanced administrative techniques, including digital office management, data-driven decision-making, and proficiency in the latest software applications. Students gain expertise in communication, project coordination, and problem-solving, preparing students to support executives and teams in diverse industries. With a strong emphasis on technology, leadership, and adaptability, graduates will be ready to meet the demands of today's dynamic, tech-integrated workplace. Depending on which electives are chosen, program completion may help individuals prepare for the Microsoft Office Specialist (MOS) Word, Excel, Access, PowerPoint, Certified Associate in Project Management (CAPM), and Adobe Certified Associate (ACA) Photoshop, Illustrator, and InDesign professional certification exams.

Program Student Learning Outcome

Upon completion of this program, the student will be able to demonstrate computer and administrative related skills and techniques required of a Executive Administrative Professional.

Course Requirements

Required courses:		
CSIT 110	Computer Applications	3
CSIT 125	Microsoft Word for Business	3
or CSIT 128	Microsoft Excel for Business	
CSIT 137	Google Apps for Business	3
or BUS 133	Project Management	
CSIT 150	Artificial Intelligence: Concepts	3
or CSIT 151	Artificial Intelligence: Applications	
or CSIT 152	Artificial Intelligence: Strategies and Solutions	
CSIT 195	IT Career Exploration and Portfolio Development	1
or CSIT 286	Professional Certification Preparation	
or CSIT 292	Internship Studies	
or CSIT 299	Occupational Work Experience Education	
BUS 136	Human Relations in Business	3
BUS 290	Business Communication	3
Select 6 units from the following list that were not already used to satisfy the above required core.		6
CSIT 101	Introduction to Computers	
CSIT 125	Microsoft Word for Business	
or CSIT 128	Microsoft Excel for Business	
CSIT 131	Microsoft Access for Business	
CSIT 134	Microsoft PowerPoint for Business	
CSIT 137	Google Apps for Business	
or BUS 133	Project Management	
CSIT 149	Microsoft Windows	
Total Units		**25**

Certificate of Achievement

Computer Applications

Individuals completing this program are prepared for the professional-level use of computers and business productivity software applications. Learning to use, integrate, and collaborate effectively with these powerful tools is essential for job preparation or advancing in current jobs in today's technology-rich workplaces. Specific areas of emphasis include word processing, spreadsheets, database management, electronic presentations, digital imaging, Microsoft Windows, and Internet cloud-based applications. Depending on which electives are chosen, certificate completion may help individuals prepare for the Microsoft Office Specialist (MOS) Word, Excel, Access, PowerPoint, and Adobe Certified Associate (ACA) Photoshop, Illustrator, and InDesign professional certification exams.

Program Student Learning Outcome

Upon completion of this program, the student will be able to successfully use, integrate, and collaborate with a range of business productivity software applications to solve business problems.

Course Requirements

Required courses:		
CSIT 125	Microsoft Word for Business	3
CSIT 128	Microsoft Excel for Business	3
CSIT 131	Microsoft Access for Business	3
CSIT 134	Microsoft PowerPoint for Business	3
CSIT 137	Google Apps for Business	3
CSIT 149	Microsoft Windows	3
CSIT 195	IT Career Exploration and Portfolio Development	1
or CSIT 286	Professional Certification Preparation	
or CSIT 292	Internship Studies	
or CSIT 299	Occupational Work Experience Education	
Select at least 6 elective units from the following courses:		6
CSIT 101	Introduction to Computers	
CSIT 110	Computer Applications	
CSIT 150	Artificial Intelligence: Concepts	
or CSIT 151	Artificial Intelligence: Applications	
or CSIT 152	Artificial Intelligence: Strategies and Solutions	
CSIT 155	Social Media for Business	
MAT 110	Digital Imaging 1: Adobe Photoshop	
MAT 170	Digital Illustration 1: Adobe Illustrator	
MAT 180	Digital Publishing: Adobe InDesign	
Total Units		**25**

Certificate of Achievement

Cybersecurity

This certificate is designed to meet the demand for cybersecurity professionals. Certificate completion results in mastery of fundamentals of computer hardware and software, networks, and security, ethical hacking, cyber analytics, and legal issues surrounding cybersecurity. Career and employment opportunities in cybersecurity include cybersecurity analyst, ethical hacker, forensics, cyber related law enforcement, and cyber technical support specialist roles. Certificate completion may help prepare individuals for Windows, CompTIA A+, Network+, Security+, Cybersecurity Analyst+ (CySA+), PenTest +/EC Council Certified Ethical Hacker (CEH), and Linux Professional/Red Hat Certified System Administrator (RHCSA) professional certification exams, and other cyber-related certifications.

Program Student Learning Outcome

Upon completion of this program, the student will be able to demonstrate cybersecurity related skills and techniques required of a cybersecurity worker.

Course Requirements

Required courses:		
ADM 100	Introduction to the Administration of Justice	3
or CSIT 120	Fundamentals of Computer Information Systems	
CSIT 180	Fundamentals of Computer Hardware and Software	4
CSIT 181	Fundamentals of Computer Networking	3
or CSIT 191	Fundamentals of Cisco Networking	
CSIT 182	Fundamentals of Computer Security	3
CSIT 183	Windows Server	3
CSIT 184	Linux Server	3
CSIT 186	Cybersecurity: Analyst	3
CSIT 188	Cybersecurity: Ethical Hacker	3
CSIT 195	IT Career Exploration and Portfolio Development	1
or CSIT 286	Professional Certification Preparation	
or CSIT 292	Internship Studies	
or CSIT 299	Occupational Work Experience Education	
Total Units		**26**

Certificate of Achievement

Information Technology

Individuals completing this certificate gain a broad foundation in information technology (IT) theory and skills. Mastery of IT fundamentals across each of the Computer Studies Department's major areas of focus, such as business productivity software applications, data analytics, hardware, and networking, is emphasized. Completing additional coursework (consult a counselor) may result in a transfer pathway to a four-year degree in computer information technology or a variety of related majors. Depending on which courses are chosen, certificate completion may help individuals prepare for the Microsoft Office Specialist (MOS) Word, Excel, Access, PowerPoint, CompTIA A+, and Network+ professional certification exams.

Program Student Learning Outcome

Upon completion of this program, the student will be able to successfully articulate and demonstrate a wide range of fundamental information technology theory and skills.

Course Requirements

Required courses:		
CS 101	Introduction to Computer Science Principles	3
CSIT 101	Introduction to Computers	3
or CSIT 110	Computer Applications	
CSIT 120	Fundamentals of Computer Information Systems	3
CSIT 123	Introduction to Data Analytics	3
or CSIT 150	Artificial Intelligence: Concepts	
or CSIT 151	Artificial Intelligence: Applications	
or CSIT 152	Artificial Intelligence: Strategies and Solutions	
CSIT 125	Microsoft Word for Business	3
or CSIT 128	Microsoft Excel for Business	
or CSIT 131	Microsoft Access for Business	
or CSIT 134	Microsoft PowerPoint for Business	
or CSIT 137	Google Apps for Business	
or CSIT 149	Microsoft Windows	
CSIT 146	E-Commerce and Web Presence	3
or CSIT 155	Social Media for Business	
CSIT 160	Technology, the Individual, and Society	3
or CSIT 165	Living in an Online World	
CSIT 180	Fundamentals of Computer Hardware and Software	3-4
or CSIT 181	Fundamentals of Computer Networking	
or CSIT 191	Fundamentals of Cisco Networking	
CSIT 195	IT Career Exploration and Portfolio Development	1
or CSIT 286	Professional Certification Preparation	
or CSIT 292	Internship Studies	
or CSIT 299	Occupational Work Experience Education	
Total Units		**25-26**

Certificate of Achievement

Internet and E-Commerce

Individuals completing this certificate enhance their ability to explore, start, or advance their careers conducting business on the Internet. The certificate emphasizes mastery of the technical aspects of e-commerce as well as setup and design considerations. Individuals are advised to complete CSIT 146 prior to selecting electives. Depending on which electives are chosen, certificate completion may help individuals prepare for the CompTIA A+ and Certified Associate in Project Management (CAPM) professional certification exams.

Program Student Learning Outcome

Upon completion of this program, the student will be able to successfully perform the tasks associated with analysis, creation, evaluation, and maintenance of conducting business and e-commerce on the Internet.

Course Requirements

Required courses:		
CSIT 120	Fundamentals of Computer Information Systems	3
CSIT 146	E-Commerce and Web Presence	3
CSIT 155	Social Media for Business	3
MAT 125	Web Design 1: Fundamentals	3
MAT 165	Web Design 2: WordPress and Site Production	3
CSIT 195	IT Career Exploration and Portfolio Development	1
or CSIT 286	Professional Certification Preparation	
or CSIT 292	Internship Studies	
or CSIT 299	Occupational Work Experience Education	
Select two courses below:		6-7
CS 101	Introduction to Computer Science Principles	
CSIT 123	Introduction to Data Analytics	
CSIT 150	Artificial Intelligence: Concepts	
CSIT 151	Artificial Intelligence: Applications	
CSIT 152	Artificial Intelligence: Strategies and Solutions	
CSIT 180	Fundamentals of Computer Hardware and Software	
BUS 130	Entrepreneurship and Small Business Management	
BUS 132	Marketing	
BUS 133	Project Management	
MAT 145	UI/UX Design	
MAT 225	Web Design 3: Custom Sites and Professional Practices	
Total Units		**22-23**

Certificate of Achievement

Management Information Systems (MIS)

Completion of this certificate prepares individuals for careers in the management of information systems. Individuals master how to plan, coordinate, and direct computer-related activities to determine and implement the information technology goals of an organization. Completing additional coursework (consult a counselor) may result in a transfer pathway to a four-year degree in management information systems or a variety of related majors. Depending on which electives are chosen, certificate completion may help individuals prepare for the CompTIA A+ and Network+ professional certification exams.

Program Student Learning Outcome

Upon completion of this program, the student will be able to demonstrate management of information systems related skills and techniques required of a management information systems worker.

Course Requirements

Required courses:		
ACCT 201	Financial Accounting	4
ACCT 202	Managerial Accounting	4
BUS 140	Legal Environment of Business	3
BUS 290	Business Communication	3
CSIT 120	Fundamentals of Computer Information Systems	3
CSIT 123	Introduction to Data Analytics	3

ECON C2001	Principles of Microeconomics	3
ECON C2002	Principles of Macroeconomics	3
CSIT 195	IT Career Exploration and Portfolio Development	1
or CSIT 286	Professional Certification Preparation	
or CSIT 292	Internship Studies	
or CSIT 299	Occupational Work Experience Education	
Select courses from below for a minimum of 3 units:		3-4
CS 101	Introduction to Computer Science Principles	
CSIT 150	Artificial Intelligence: Concepts	
CSIT 151	Artificial Intelligence: Applications	
CSIT 152	Artificial Intelligence: Strategies and Solutions	
CSIT 160	Technology, the Individual, and Society	
CSIT 165	Living in an Online World	
CSIT 180	Fundamentals of Computer Hardware and Software	
CSIT 181	Fundamentals of Computer Networking	
CSIT 191	Fundamentals of Cisco Networking	
Total Units		**30-31**

Certificate of Achievement

Systems Administration

This certificate prepares individuals for careers and employment in computer networking, network administration, enterprise networking, and Internet or intranet administration. Individuals will be prepared for successful employment in networking related occupations such as network technician, systems administrator, field support technician, customer technical support representative, and technical support specialist roles. Certificate completion may help prepare individuals for the CompTIA A+, Network+, and Security+, Windows, and Linux professional certification exams.

Program Student Learning Outcome

Upon completion of this program, the student will be able to demonstrate systems administration related skills and techniques required of a systems administrator.

Course Requirements

Required courses:		
CSIT 120	Fundamentals of Computer Information Systems	3
CSIT 180	Fundamentals of Computer Hardware and Software	4
CSIT 181	Fundamentals of Computer Networking	3
or CSIT 191	Fundamentals of Cisco Networking	
CSIT 182	Fundamentals of Computer Security	3
CSIT 183	Windows Server	3
CSIT 184	Linux Server	3
CSIT 195	IT Career Exploration and Portfolio Development	1
or CSIT 286	Professional Certification Preparation	
or CSIT 292	Internship Studies	
or CSIT 299	Occupational Work Experience Education	
Total Units		**20**

Certificate of Achievement

Tech Support

Completing this certificate prepares individuals for employment and careers as computer desktop support specialists in a business environment. Individuals master skills in software and applications support, operating systems, local area networks, desktop support, and customer service while also being able to answer, or escalate, calls and inquiries from end users. Related jobs include help desk technician, customer support representative, computer support specialist, and technical support representative. Certificate completion may help prepare individuals for the Microsoft Certified Desktop Support Technician (MCDST) and CompTIA A+, Network+, and Security+ professional certification exams.

Program Student Learning Outcome

Upon completion of this program, the student will be able to demonstrate technical support related skills and techniques required of a tech support worker.

Course Requirements

Required courses:		
CSIT 110	Computer Applications	3
CSIT 149	Microsoft Windows	3
CSIT 180	Fundamentals of Computer Hardware and Software	4
CSIT 181	Fundamentals of Computer Networking	3
or CSIT 191	Fundamentals of Cisco Networking	
CSIT 182	Fundamentals of Computer Security	3
CSIT 195	IT Career Exploration and Portfolio Development	1
or CSIT 286	Professional Certification Preparation	
or CSIT 292	Internship Studies	
or CSIT 299	Occupational Work Experience Education	
BUS 136	Human Relations in Business	3
or BUS 290	Business Communication	
Select at least 3 elective units from the following courses:		3
BUS 290	Business Communication *	
CS 101	Introduction to Computer Science Principles	
CS 111	Introduction to Computer Science I: Java	
CSIT 137	Google Apps for Business	
CSIT 146	E-Commerce and Web Presence	
CSIT 150	Artificial Intelligence: Concepts	
CSIT 151	Artificial Intelligence: Applications	
CSIT 152	Artificial Intelligence: Strategies and Solutions	
CSIT 155	Social Media for Business	
Total Units		**23**

*BUS 290 may be taken as an elective for Tech Support if not taken as part of the requirement.

Certificate of Proficiency

Administrative Assistant

The certificate equips students with the essential administrative assistant skills required to excel in modern office environments. This program focuses on foundational competencies such as digital office management, professional communication, and the effective use of business software applications. Students learn to manage tasks like scheduling, document preparation, and basic project coordination while developing problem-solving and organizational skills. Designed for those looking to enhance their administrative assistant skills and as a ladder toward the more advanced Executive Administrative Professional AS degree or certificate of achievement, this certificate offers students the ability to enhance their administrative abilities and advance their careers. Depending on which electives are chosen, certificate completion may help individuals prepare for the Microsoft Office Specialist (MOS) Word, Excel, Access, and PowerPoint professional certification exams.

Program Student Learning Outcome

Upon completion of this program, the student will be able to successfully demonstrate basic use of computer applications, AI tools, and best practices in business communication to enhance their administrative assistant skills.

Course Requirements

Required courses:		
BUS 290	Business Communication	3
CSIT 110	Computer Applications	3
CSIT 150	Artificial Intelligence: Concepts	3
or CSIT 151	Artificial Intelligence: Applications	
or CSIT 152	Artificial Intelligence: Strategies and Solutions	
Select at least 6 elective units from the following courses:		6
CSIT 101	Introduction to Computers	
CSIT 125	Microsoft Word for Business	
CSIT 128	Microsoft Excel for Business	
CSIT 131	Microsoft Access for Business	
CSIT 134	Microsoft PowerPoint for Business	
CSIT 137	Google Apps for Business	
CSIT 149	Microsoft Windows	
Total Units		**15**

Certificate of Proficiency

Computer Applications Essentials

The certificate provides students with a solid foundation in essential business productivity software, serving as a ladder toward the more advanced computer applications associate degree or certificate of achievement. This program focuses on developing skills and techniques in key areas such as word processing, spreadsheets, electronic presentations, and cloud-based applications. Designed for those looking to enhance their technology skills or build a pathway to the higher-level associate degree or certificate of achievement, this certificate equips students with the practical tools needed to increase workplace efficiency and productivity in today's digital environments. Depending on which electives are chosen, certificate completion may help individuals prepare for the Microsoft Office Specialist (MOS) Word, Excel, Access, and PowerPoint professional certification exams.

Program Student Learning Outcome

Upon completion of this program, the student will be able to successfully demonstrate basic business productivity software skills and techniques.

Course Requirements

Required courses:		
CSIT 110	Computer Applications	3
Select at least 6 elective units from the following courses:		6
CSIT 101	Introduction to Computers	
CSIT 125	Microsoft Word for Business	
CSIT 128	Microsoft Excel for Business	
CSIT 131	Microsoft Access for Business	
CSIT 134	Microsoft PowerPoint for Business	
CSIT 137	Google Apps for Business	
CSIT 149	Microsoft Windows	
CSIT 150	Artificial Intelligence: Concepts	
or CSIT 151	Artificial Intelligence: Applications	
or CSIT 152	Artificial Intelligence: Strategies and Solutions	
Total Units		**9**

Certificate of Proficiency

CompTIA IT Core Essentials

This certificate offers individuals the opportunity to master skills and abilities necessary to meet the demand for CompTIA entry level professional certifications. Certificate completers are prepared in fundamentals of computer hardware and software, networks, and security while obtaining foundational skills necessary to be successful in information communications essential to successful careers in retail sales of computers, handheld devices, networking services or cell phones, Help Desk, and User Support. Certificate completion helps prepare individuals for CompTIA A+, Network+, and Security+ certification exams.

Program Student Learning Outcome

Upon completion of this program, the student will be able to demonstrate mastery of skills and abilities necessary for CompTIA entry level professional certifications.

Course Requirements

Required courses:		
CSIT 180	Fundamentals of Computer Hardware and Software	4
CSIT 181	Fundamentals of Computer Networking	3
CSIT 182	Fundamentals of Computer Security	3
Total Units		**10**

Certificate of Proficiency

Emerging Technologies

This certificate offers individuals the opportunity to explore emerging technologies in information technology and is

meant to enhance current or future employment and career opportunities. The courses emphasize the rapidly changing landscape of computers, information, and technology and understanding how trends in these areas may impact current and future society, business, and industry. Depending on which courses are chosen, certificate completion may help individuals prepare for CompTIA A+ professional certification exam.

Program Student Learning Outcome

Upon completion of this program, the student will be able to successfully demonstrate how emerging technologies in information technology impact current and future business and industry.

Course Requirements

Required courses:		
CSIT 123	Introduction to Data Analytics	3
or CSIT 137	Google Apps for Business	
or CSIT 150	Artificial Intelligence: Concepts	
CSIT 155	Social Media for Business	3-4
or CSIT 180	Fundamentals of Computer Hardware and Software	
CSIT 160	Technology, the Individual, and Society	3
or CSIT 165	Living in an Online World	
Total Units		**9-10**

Certificate of Proficiency

Microsoft Office Expert

Completion of this certificate significantly enhances employability in business environments where mastery of the Microsoft Office productivity software is essential. Each course within the program provides an in-depth, structured progression from foundational concepts to expert-level skills and advanced techniques. Graduates not only gain proficiency in the core functionalities of these applications but also develop expertise in leveraging advanced features to optimize business operations, streamline workflows, and support strategic decision-making in professional settings. Certificate completion may also help prepare individuals for the Microsoft Office Specialist (MOS) Word, Excel, Access, PowerPoint and Microsoft Office Master professional certification exams.

Program Student Learning Outcome

Upon completion of this program, the student will be able to successfully demonstrate Microsoft Office software skills and techniques.

Required courses:		
CSIT 125	Microsoft Word for Business	3
CSIT 128	Microsoft Excel for Business	3
CSIT 131	Microsoft Access for Business	3
CSIT 134	Microsoft PowerPoint for Business	3
Total Units		**12**

Courses

CSIT 101: Introduction to Computers
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course is intended for students wishing to develop or strengthen their basic computer skills. Topics include basic computer techniques and literacy in computer concepts, Windows, working with files and folders, word processing, spreadsheets, browsing and searching the web, safe and ethical computer and Internet practices, email, computer maintenance, security, purchasing a computer, and academic online course management systems, such as Canvas.

CSIT 110: Computer Applications
Units: 3
Prerequisites: None
Advisory: CSIT 101
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course provides an in-depth, hands-on introduction to computer applications and fundamentals. Topics include computer concepts, the operating system, and word processing, spreadsheet, presentation, database, and Web browser applications. The course emphasizes applied computer applications skills and techniques, computer concepts and ethical considerations, and the use of computer applications as integrated tools to perform professional-level analyses. UC CREDIT LIMITATION: Credit for CSIT 110 or CSIT 120.

CSIT 120: Fundamentals of Computer Information Systems
Units: 3
Prerequisites: None
Advisory: CSIT 110.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers the concepts of information systems in business, including the integration of information systems, organizational strategy, systems analysis, data storage, data processing, security, cloud computing, and communications. The course applies information system concepts by developing solutions to business problems using financial analysis and database management tools, such as Microsoft Excel and Access. UC CREDIT LIMITATION: Credit for CSIT 110 or CSIT 120. C-ID ITIS-120 and BUS-140.

CSIT 123: Introduction to Data Analytics
Units: 3
Prerequisites: Knowledge, skills, and abilities at the intermediate algebra level as determined by the math placement process.
Advisory: CSIT 110, CSIT 120, or CSIT 128
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to data science through the operational lens of AI-driven data analytics tools, AI programming languages, and advanced statistical modeling techniques. It focuses on the nexus of the data science field and advanced AI-driven data analysis. The data-first mindset promotes knowledge and understanding through the use of advanced visualization tools, statistical tools, and statistical programming languages to derive actionable information from various data sources to solve complex business, information systems, and analysis challenges. Students access and evaluate complex data sets using data inference techniques formulated through the use of qualitative analysis and statistical applications. The course emphasizes visual analysis tools, such as the use of graphs, charts, and computerized spreadsheets. Students gain an understanding of the widespread use of data analytics and how this sophisticated technique that combines mathematical principles and technology affects their everyday lives.

CSIT 125: Microsoft Word for Business
Units: 3
Prerequisites: None
Advisory: CSIT 101
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

Students learn how to use Microsoft Word, the industry-standard tool for word processing in business environments. This comprehensive course includes fundamentals, such as document design, section breaks, table of contents, graphics, columns, citations, and tables, as well as more advanced features, such as document collaboration, workgroup tools, template customization, mail merge, macros, object linking, forms, security, and Web enabling. This course helps prepare students for the Microsoft Certification Exam.

CSIT 128: Microsoft Excel for Business
Units: 3
Prerequisites: None
Advisory: CSIT 101
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

Students learn how to use Microsoft Excel, the industry standard tool for spreadsheet and chart creation in a business environment. This comprehensive course includes fundamentals, such as workbook and worksheet design, formulas, functions, and charts, as well as more advanced features, such as pivot tables, what-if analysis, three-dimensional worksheets, goal seek, and collaboration tools. This course helps prepare students for the Microsoft Certification Exam.

CSIT 131: Microsoft Access for Business
Units: 3
Prerequisites: None
Advisory: CSIT 101
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

Students learn how to use Microsoft Access, the industry standard tool for database creation in a business environment. This comprehensive course includes fundamentals, such as relational database design theory, tables, queries, reports, and forms, as well as more advanced features, such as complex validation rules, action queries, report controls, form automation, database customization, and data integration tools. This course helps prepare students for the Microsoft Certification Exam.

CSIT 134: Microsoft PowerPoint for Business
Units: 3
Prerequisites: None
Advisory: CSIT 101
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall

Students learn how to use Microsoft PowerPoint, the industry standard tool for creating electronic presentations in business environments. This comprehensive course includes fundamentals, such as electronic presentation design and delivery concepts, slide layout, graphics, diagrams, charts, and sound, as well as more advanced features, such as complex animation, transitions, action buttons, video, custom backgrounds, and collaboration tools. This course helps prepare students for the Microsoft Certification Exam.

CSIT 137: Google Apps for Business
Units: 3
Prerequisites: None
Advisory: CSIT 101
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

In this course, students learn how to use Google Apps, a collection of free Web-based productivity tools, in a business environment. Topics include Google Search, Gmail, Google Calendar, Google Docs, Google Sheets, Google Slides, Google Sites, and emerging trends in Google Apps. Students use the Internet to access their files and tools to manipulate and collaborate with the instructor and classmates.

CSIT 146: E-Commerce and Web Presence
Units: 3
Prerequisites: None
Advisory: CSIT 101
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course teaches the principles and technologies involved in e-commerce and creating a Web presence for a small or medium-sized business (SMB). It addresses the needs of both online and traditional brick and mortar businesses and provides students with a basic working knowledge of how to sell products and services on the Web. It covers aspects of business and marketing planning, a survey of Web technologies, such as HTML, XHTML, HTML5 and CSS, use of digital media, building an online store, e-commerce security, electronic payment systems, international and legal issues, Search Engine Optimization (SEO), and current marketing trends. Students create a starter e-business Web site or improve an existing site that can be used for their business or to help them get a job in the field.

CSIT 149: Microsoft Windows
Units: 3
Prerequisites: None
Advisory: CSIT 101
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: 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 150: Artificial Intelligence: Concepts
Units: 3
Prerequisites: None
Advisory: CSIT 123
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course provides a comprehensive introduction to the field of artificial intelligence (AI), including its history, techniques, and applications. Students explore the fundamental concepts and methodologies in AI, including problem-solving, knowledge representation, reasoning, ethics, and learning. Students gain an understanding of AI algorithms, techniques, and tools currently being used in this area of study.

CSIT 151: Artificial Intelligence: Applications
Units: 3
Prerequisites: None
Advisory: CSIT 150
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course equips students with the hands-on skills needed to integrate artificial intelligence (AI) tools into real-world work environments. It delves into actionable insights and practical application of a range of AI technologies. The course also fosters an understanding of not just the algorithms that power AI, but also their ethical implications and productivity enhancements.

CSIT 152: Artificial Intelligence: Strategies and Solutions
Units: 3
Prerequisites: None
Advisory: CSIT 151
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course delves into the cutting-edge research and techniques of artificial intelligence through the exploration of state-of-the-art AI models, methodologies, and ethics. Students gain exposure to current research and practical experience in implementing and evaluating advanced AI algorithms and systems for a wide range of complex tasks and real-world applications.

CSIT 155: Social Media for Business
Units: 3
Prerequisites: None
Advisory: CSIT 101
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course explores social media use from a business perspective. Students learn how to develop a social media strategy to promote business, build stronger customer relations, target a broad base or niche audience, and develop effective marketing and advertising techniques that enhance Web presence and coordinate a common message across multiple channels. Students explore historical development as well as emerging trends in Web applications and services that facilitate creativity, collaboration, and information sharing among users and business.

CSIT 160: Technology, the Individual, and Society
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course critically examines the interrelationships among technology, the individual, and society. Students investigate the historical, political, and economic factors that influence the growth and development of technology and assess how individuals and society respond to the challenges and consequences of the technology revolution. Appropriate for both technical and non-technical majors, the course explores principles, methodologies, and value systems from a technology and social science interdisciplinary perspective. UC CREDIT LIMITATION: Credit for CSIT 160 or CSIT 165.

CSIT 165: Living in an Online World
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course considers human behavior in relation to the challenges and opportunities presented by an increasingly online society. It places special emphasis on critically evaluating and managing one's online presence within this environment in a healthy way throughout various life stages. Appropriate for both technical and non-technical majors, this course explores the psychological, sociological, and physiological consequences for individuals and societies that result from the global use of the Internet in everyday life. UC CREDIT LIMITATION: Credit for CSIT 160 or CSIT 165.

CSIT 180: Fundamentals of Computer Hardware and Software
Units: 4
Prerequisites: None
Advisory: CSIT 110.
Acceptable for Credit: CSU
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course provides students with fundamental knowledge covering PC hardware and peripherals, mobile device hardware, networking and troubleshooting hardware, network connectivity issues, installing and configuring operating systems, including Windows and Linux, Mac OS X, iOS, and Android operating system configurations, security, fundamentals of cloud computing, and operational procedures. This course helps prepare students for CompTIA A+ certification examinations. C-ID ITIS-110.

CSIT 181: Fundamentals of Computer Networking
Units: 3
Prerequisites: None
Advisory: CSIT 180.
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course presents an overview and introduction to computer networking components, network design, operations, management, protocols, and network operating systems. Students learn the layered functions of the Transmission Control Protocol (TCP)/Internet Protocol (IP) stack and how they relate to Internet architecture. Topics include TCP/IP addressing, subnetting, host and domain name resolution, routing considerations, and practical management of TCP/IP protocols and services. These concepts are applied in hands-on labs leveraging network servers, firewalls, clients, the Internet, virtualization, and networked applications. This course helps prepare students for the CompTIA Network+ certification exam. C-ID ITIS-150.

CSIT 182: Fundamentals of Computer Security
Units: 3
Prerequisites: None
Advisory: CSIT 181
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course presents an overview and introduction to essential principles for network security and risk management. Students learn the core foundations of network security: confidentiality, integrity, and availability. Topics include threats, operating system hardening, security in context of applications, network, network perimeter, and physical spaces, access control methods, encryption, monitoring and auditing, and redundancy/disaster recovery. These concepts are applied in hands-on labs leveraging network servers, firewalls, clients, the Internet, virtualization, and networked applications. This course helps prepare students for the CompTIA Security+ certification exam. C-ID ITIS-160.

CSIT 183: Windows Server
Units: 3
Prerequisites: None
Advisory: CSIT 180
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides students with an understanding of Microsoft Windows Server. It focuses on administrative tasks including routine and troubleshooting scenarios, such as data and system recovery, operating-system selection, installation, and configuration, active directory design and implementation, user management, group policy and organizational units, virtualization, remote access, network services, especially domain name system (DNS), and system security, monitoring, and optimization. Students develop skills and apply their knowledge through hands-on projects and case-study assignments. This course helps prepare students for network server certification exams, such as CompTIA Server+ and Microsoft Windows Installing and Configuring Windows Server and Administering Windows Server. C-ID ITIS-155.

CSIT 184: Linux Server
Units: 3
Prerequisites: None
Advisory: CSIT 180
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides students with an understanding of Linux operating systems with an emphasis on Linux Server operating systems. It focuses on the installation, configuration, management, and troubleshooting of Linux operating systems. Topics covered include administration of Linux systems, application servers, such as web, mail, ftp, and file/print servers, basic scripting, interworking services, such as TCP/IP and secure shell, as well as file sharing in hybrid environments using SAMBA with Windows, system performance and tuning, system security, package installation and removal, logging, scheduling, and Linux tools. This course helps prepare students for network server administration certification exams, such as CompTIA Server+ and Linux+ and Linux Professional Institute Certification Level 1 (LPIC-1) exams. C-ID ITIS-155.

CSIT 186: Cybersecurity: Analyst
Units: 3
Prerequisites: None
Advisory: CSIT 182
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course applies the principles and technologies to prevent, detect, combat, and recover from cybersecurity threats including behavior analytics to improve and harden the overall state and posture of an IT Security environment. Building upon their knowledge of networks and cybersecurity, students are exposed to threat management, vulnerability management, cyber incident response, and security architectures. The tools and techniques used in this course are approached from a vendor-neutral perspective, as these are open source tools commonly found on the Internet used by attackers. This course helps prepare students for the CompTIA Cybersecurity Analyst+ (CySA+) certification exam.

CSIT 188: Cybersecurity: Ethical Hacker
Units: 3
Prerequisites: None
Advisory: CSIT 182
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course teaches the principles and technologies involved with looking for weaknesses and vulnerabilities in target systems from a network security perspective including the five phases of penetration testing. Students are exposed to the same knowledge and tools as a malicious hacker and learn how to assess the security posture of target systems in a lawful and legitimate manner building upon their knowledge of networks and security. The tools and techniques used in this course are approached from a vendor-neutral perspective many times using open source tools commonly found on the Internet. This course helps prepare students for the CompTIA PenTest+ certification exam and other cybersecurity related exams. C-ID ITIS-164.

CSIT 191: Fundamentals of Cisco Networking
Units: 3
Prerequisites: None
Advisory: CSIT 180
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides an overview and introduction to Cisco networking components (routers and switches), network design, operations, management, protocols, and Cisco's Internetwork Operating System (IOS). Students learn how to cable and connect routers and switches and then use IOS to configure and manage the equipment. Topics include TCP/IP addressing, subnetting, packet routing, troubleshooting, and practical management of TCP/IP protocols and services as it pertains to Cisco networking equipment. These concepts are applied in hands on and virtualized labs and Cisco Packet Tracer simulation software. This course helps prepare students for the Cisco Certified Network Associate (CCNA) and CompTIA Network+ certification exams. C-ID ITIS-150.

CSIT 195: IT Career Exploration and Portfolio Development
Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1 hour.
Course Typically Offered: Spring

This course teaches students how to create a portfolio to professionally display their best work and to increase job opportunities. Topics include defining an audience, organizing and adapting a body of work, and formatting and creating a finished portfolio designed to reflect the student's vision and highlight the quality of his or her accomplishments. The course also explores effective career studies and services. Note: Students should complete most courses within their chosen Computer Studies certificate program before enrolling in CSIT 195.

CSIT 286: Professional Certification Preparation
Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1 hour.
Course Typically Offered: Fall

Attaining a professional certification can help employers further validate a student's MiraCosta degree, certificate, or course work. This course provides an overview of industry-based third-party professional certifications, credentials, and licenses specific to a student's discipline of study. Topics include goal setting, a survey of professional certifications relevant to the discipline, industry trends and certification value assessment, exam preparation and exam strategies, practice exams, resolving any skill deficiencies, and life-long learning. Under the instruction of a faculty-mentor, students reflect on their prior course work and career aspirations to produce and execute a plan that outlines the necessary steps to attain the professional certification of their choice. Although students are encouraged to do so, signing up for and/or passing a certification exam is not required to pass the course.

CSIT 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

CSIT 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

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.

Contact Information

Chair: Arti Dua
Dean: Ailene Crakes
www.miracosta.edu/COUN (http://www.miracosta.edu/COUN)

Department: Counseling
Office: Oceanside, Building 14, Second Floor, 760.795.6670

Full-Time Faculty

Adrean Askerneese
Yesenia Balcazar
Markus Berrien
Veronica Bloss
Laney Collins
Arti Dua
Karina Duarte
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Sinar Lomeli
Don Love
Donny Munshower
Candelaria Owens
Kris Peck
Freddy Ramirez
Oswaldo Ramirez
Jed Schlueter
Ariana Solis
Shaylah Turk
Cynthia Vasquez Gonzales
Jillian Ventrone
Kristi Wish
Afifa Zaman
Magdalena Zepeda

Courses

COUN 100: College and Career Success
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course teaches success strategies to enhance academic and lifelong learning while integrating career and academic planning. The course evaluates theories and strategies of college success, including time management, study skills, health and wellness, diversity and global awareness, communication, and critical thinking. Students analyze career-related assessments, research careers and majors, and develop an academic plan. Recommended for first-time and returning students or those undecided on a major or goal. UC CREDIT LIMITATION: Credit for COUN 100, COUN 105, or INTR 100.

COUN 101: Orientation to College
Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1 hour.
Course Typically Offered: Fall, Spring, and Summer

This course prepares new and returning students to develop the knowledge, skills, attitudes, and behaviors necessary for academic and personal success during a student's first semester in college. Topics include college expectations, the function of higher education, study skills, campus resources and policies, and personal development skills.

COUN 105: Transfer Success
Units: 1
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 1 hour.
Course Typically Offered: Fall, Spring

This course promotes academic success by providing students with information that will clarify the transfer process, identify support services on campus, and assist them in developing a comprehensive transfer plan. Topics include a review of higher education options, the process for determining a major, applications and admissions timelines, and criteria for establishing educational goals. UC CREDIT LIMITATION: Credit for COUN 100, COUN 105, or INTR 100.

COUN 115: Introduction to Multicultural Counseling
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This survey course provides an exploration of major multicultural counseling theories and research focusing on racial and cultural identity, values, and how people behave across different cultures. The course emphasizes critical thinking and self-awareness, and it explores how understanding cultural identity shapes the way people interact with others. Students will learn about culturally responsive approaches to connect with people and handle conflicts, tying in theory with real-life counseling situations involving diverse communities.

COUN 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Dance

The mission of the MiraCosta Dance Department is to create artistic and academic excellence by engaging students in a diversity of dance techniques, choreography, performance, and scholarly practices.

The department fosters student engagement through creative and critical thinking and values artistic exploration that enriches the individual, classroom, and community.

Students take dance courses for the Dance major, to fulfill general education requirements, and for personal and professional enrichment. The department offers performance opportunities to both majors and non-majors.

Examples of career options include professional performer, choreographer, dance studio owner, arts administrator, college/university dance instructor, dance physical therapist, dance researcher, dance ethnologist/historian, dance critic, dance scientist, athletic trainer, sales/marketing representative, special events coordinator, and arts lawyer. Note: Some of the careers listed require further education.

Academic and Career Pathway

Creative and Applied Arts (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/)

Contact Information

Chair: Phillip Boland
Dean: Jonathan Fohrman
https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/dance/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/dance/)

Department: Theatre, Dance & Film
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Dave Massey

Associate Degree

Associate in Arts Degree

Dance

The Dance program offers lower-division preparation for students who plan to transfer to pursue a bachelor's degree in dance. Students planning to transfer and/or earn this associate degree may also need to complete additional requirements or electives required by the transfer institution, as many CSUs and UCs have unique admissions and preparation-for-the-major requirements. Most dance departments require auditions, so students are advised to complete advanced-level dance technique courses. Students should meet with a MiraCosta College counselor to identify required courses and to develop a written plan for their targeted university.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 73)).
- Obtain a minimum GPA of 2.0.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to do the following:

- Examine, interpret, and create dance sequences using compositional principles of time, space, and energy.
- Demonstrate literacy in dance history, appreciation, and world cultures.
- Practice and interpret dance technique and alignment.

Course Requirements

Required courses:		
DNCE 101	Dance History	3
DNCE 100	Dance Appreciation	3
or DNCE 102	Introduction to Mexican Folkloric Dance: History, Culture, and Performance	
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 278	Dance as a Profession	2
Required Dance Technique Electives *		8.5
Select 8.5 units from the following courses:		
DNCE 121	Hip Hop I	
DNCE 122	Hip Hop II	
DNCE 134	Pacific Island Dance I	
DNCE 135	Pacific Island Dance II	
DNCE 136	Dance Practices Across Cultures and Borders	
DNCE 140	Ballroom Dance Technique I	
DNCE 143	Ballroom Dance Technique II	
DNCE 146	Latin Dance Technique I	
DNCE 147	Latin Dance Technique II	
DNCE 150	Pilates Mat & Reformer I (DNCE 150 will not be offered.)	
DNCE 152	Ballet I	
DNCE 154	Ballet II	
DNCE 166	Jazz Dance I	
DNCE 168	Jazz Dance II	
DNCE 172	Musical Theater Dance I	
DNCE 174	Musical Theater Dance II	
DNCE 176	Modern Dance I	
DNCE 178	Modern Dance II	
DNCE 221	Hip Hop III	
DNCE 222	Hip Hop IV	
DNCE 234	Pacific Island Dance III	
DNCE 235	Pacific Island Dance IV	
DNCE 240	Ballroom Dance Technique III	
DNCE 243	Ballroom Dance Technique IV	
DNCE 246	Latin Dance Technique III	
DNCE 247	Latin Dance Technique IV	
DNCE 250	Contemporary Dance Intensive I	
DNCE 253	Contemporary Dance Intensive II	
DNCE 254	Contemporary Dance Intensive III	
DNCE 256	Contemporary Dance Intensive IV	
DNCE 266	Jazz Dance III	
DNCE 268	Jazz Dance IV	
Required Dance Performance Electives (3 units). *		3
DNCE 179	Musical Theatre Dance Production	
DNCE 200	Contemporary Dance Production I	
DNCE 201	Contemporary Dance Production II	
DNCE 202	Contemporary Dance Production III	
DNCE 203	Contemporary Dance Production IV	
DNCE 204	Classical Dance Production I	
DNCE 205	Classical Dance Production II	
DNCE 206	Classical Dance Production III	
DNCE 207	Classical Dance Production IV	
DNCE 260	Dance Touring Ensemble	
DNCE 263	Contemporary Dance Workshop and Performance A	

DNCE 264	Contemporary Dance Workshop and Performance B	
DNCE 267	Contemporary Dance Workshop and Performance C	
DNCE 269	Contemporary Dance Workshop and Performance D	
Total Units		**24**

***NOTE**: Some courses listed under the electives have limitations on enrollment because they are related in content. Please see the Courses Related in Content (p. 188) section for specific information about these limitations.

Certificates

Certificate of Achievement

Dance Instructor

The Dance Instructor certificate prepares students to teach dance in private studios, recreational facilities, gyms, or community dance programs. Students study theory and technique in movement, choreography and performance courses. They gain a well-rounded foundation in dance that encompasses a variety of dance genres and teaching methodologies. Most candidates for this certificate already have experience in a specific dance genre and need to gain a broader understanding and experience in the overall field of dance education.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to do the following:

- Create and teach a sample class, demonstrating correct instruction in body alignment, musicality, breathing, and muscular control in a selected dance technique.
- Create dance sequences using compositional principles of time, space, and energy.

Course Requirements

Required courses:		
DNCE 122	Hip Hop II	1
or DNCE 143	Ballroom Dance Technique II	
or DNCE 147	Latin Dance Technique II	
DNCE 152	Ballet I	1.5
or DNCE 154	Ballet II	
DNCE 168	Jazz Dance II	1.5
DNCE 178	Modern Dance II	1.5
DNCE 278	Dance as a Profession	2
DNCE 292	Internship Studies	3
Required electives (select 9 units): *		9
DNCE 121	Hip Hop I	
DNCE 122	Hip Hop II	
DNCE 134	Pacific Island Dance I	
DNCE 135	Pacific Island Dance II	
DNCE 136	Dance Practices Across Cultures and Borders	
DNCE 140	Ballroom Dance Technique I	
DNCE 143	Ballroom Dance Technique II	
DNCE 146	Latin Dance Technique I	
DNCE 147	Latin Dance Technique II	
DNCE 150	Pilates Mat & Reformer I (DNCE 150 will not be offered.)	
DNCE 154	Ballet II	
DNCE 166	Jazz Dance I	
DNCE 168	Jazz Dance II	
DNCE 172	Musical Theater Dance I	
DNCE 174	Musical Theater Dance II	
DNCE 176	Modern Dance I	
DNCE 178	Modern Dance II	
DNCE 221	Hip Hop III	
DNCE 222	Hip Hop IV	
DNCE 234	Pacific Island Dance III	
DNCE 235	Pacific Island Dance IV	
DNCE 240	Ballroom Dance Technique III	
DNCE 243	Ballroom Dance Technique IV	
DNCE 246	Latin Dance Technique III	
DNCE 247	Latin Dance Technique IV	
DNCE 266	Jazz Dance III	
DNCE 268	Jazz Dance IV	
Total Units		**19.5**

***NOTE**: Some courses listed under the electives have limitations on enrollment because they are related in content. Please see the Courses Related in Content (p. 188) section for specific information about these limitations.

Courses Related in Content (CRC)

Active participatory dance courses that are related in content are grouped together. Students are allowed four enrollments within each CRC group, but each course may be taken only once unless its catalog description indicates it is repeatable. Enrollments include any combination of course completions (with an evaluative or nonevaluative symbol recorded on the student's transcript), withdrawals, and repetition.

Ballet CRC	
DNCE 152	Ballet I (As I recall, Ballet is not a family. DNCE 152 allows for 4 repetions as does DNCE 154.)
DNCE 154	Ballet II (As I recall, Ballet is not a family. DNCE 152 allows for 4 repetions as does DNCE 154.)
Ballroom Dance CRC	
DNCE 140	Ballroom Dance Technique I
DNCE 143	Ballroom Dance Technique II
DNCE 240	Ballroom Dance Technique III
DNCE 243	Ballroom Dance Technique IV
Classical Dance Production CRC	
DNCE 204	Classical Dance Production I
DNCE 205	Classical Dance Production II
DNCE 206	Classical Dance Production III
DNCE 207	Classical Dance Production IV
Contemporary Dance Production CRC	
DNCE 200	Contemporary Dance Production I
DNCE 201	Contemporary Dance Production II

DNCE 202	Contemporary Dance Production III
DNCE 203	Contemporary Dance Production IV
Contemporary Dance Workshop CRC	
DNCE 263	Contemporary Dance Workshop and Performance A
DNCE 264	Contemporary Dance Workshop and Performance B
DNCE 267	Contemporary Dance Workshop and Performance C
DNCE 269	Contemporary Dance Workshop and Performance D
Dance in the Americas CRC	
DNCE 146	Latin Dance Technique I
DNCE 147	Latin Dance Technique II
DNCE 246	Latin Dance Technique III
DNCE 247	Latin Dance Technique IV
Dance in Oceania CRC	
DNCE 134	Pacific Island Dance I
DNCE 135	Pacific Island Dance II
DNCE 234	Pacific Island Dance III
DNCE 235	Pacific Island Dance IV
Hip Hop CRC	
DNCE 121	Hip Hop I
DNCE 122	Hip Hop II
DNCE 221	Hip Hop III
DNCE 222	Hip Hop IV
Jazz Dance CRC	
DNCE 166	Jazz Dance I
DNCE 168	Jazz Dance II
DNCE 266	Jazz Dance III
DNCE 268	Jazz Dance IV
Modern Dance CRC	
DNCE 176	Modern Dance I
DNCE 178	Modern Dance II
Musical Theater CRC	
DNCE 172	Musical Theater Dance I
DNCE 174	Musical Theater Dance II
Summer Dance Intensive CRC	
DNCE 250	Contemporary Dance Intensive I
DNCE 253	Contemporary Dance Intensive II
DNCE 254	Contemporary Dance Intensive III
DNCE 256	Contemporary Dance Intensive IV

Courses

DNCE 100: Dance Appreciation
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in DNCE 100H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

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.

DNCE 101: Dance History
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in DNCE 101H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course provides a historical survey of dance in western civilization from antiquity to the present. It emphasizes the cultural context and historical development of ballet and modern dance, and it relates dance to other art forms within various historical periods. Students are required to attend a live dance performance.

DNCE 102: Introduction to Mexican Folkloric Dance: History, Culture, and Performance
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This academic course explores the evolution of Mexican folkloric dance from its pre-Hispanic roots to its modern expressions in Mexico and the US. The course covers regional styles, cultural symbols, and the socio-political contexts shaping these dances. Students examine the relationship between dance, music, and costumes and how folkloric dance preserves culture, builds community, and empowers education. Additionally, the course highlights the impact of colonialism on Mexican dance and the resilience of Indigenous forms, offering insights into dance as a tool for cultural survival, resistance, and identity.

DNCE 104: Dance on Film
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in DNCE 104H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course explores the influence of dance as entertainment in musical films from the 1920s to the present. It examines how dance as art has influenced and responded to societal issues such as race, gender, war, class, politics, and other significant socio-cultural topics of this time period. Students are required to attend a live dance performance.

DNCE 105: Dance Cultures of the World
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in DNCE 105H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course surveys dance around the world in a cultural and social context. It emphasizes the different ways dance is used to express ideas about the relationship between a person and the body, gender roles, religion, cultural traditions, and ritual. Cultures include Africa, Asia, Latin America, Middle East, North America, and Eastern Europe. Students are required to attend a live dance performance.

DNCE 121: Hip Hop I
Units: 1
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments between/among DNCE 121, DNCE 122, DNCE 221, and DNCE 222.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This course is an introduction to hip-hop dance, focusing on styles used for movies, television, and video productions. It includes popping, locking, b-boying, rocking, and other hip-hop styles at a beginning level.

DNCE 122: Hip Hop II
Units: 1
Prerequisites: None
Advisory: DNCE 121
Enrollment Limitation: Maximum of four enrollments between/among DNCE 121, DNCE 122, DNCE 221, and DNCE 222.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This continuation of hip-hop dance focuses on styles used for movies, television, and video productions. It includes popping, locking, b-boying, rocking, and other hip-hop styles at a beginning-intermediate level.

DNCE 134: Pacific Island Dance I
Units: 1.5
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course introduces the dance and music of the Pacific Islands, including Polynesia, Melanesia, and Micronesia. Specific countries may include but are not limited to Samoa, Hawai'i, Guam, New Zealand, Tahiti, Tonga, Fiji, Solomon Islands, Papua New Guinea, Vanuatu, Kiribati, Marshall Islands, Naru, and Palau. Students learn basic dance steps, postures, rhythms, timing, songs, and movements of different Pacific Island dance in contemporary and traditional forms using Pacific Island movement terminology. The course examines the function and aesthetic of dance as ritual, social discourse, education, and artistic expression.

DNCE 135: Pacific Island Dance II
Units: 1.5
Prerequisites: None
Advisory: DNCE 134
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course continues the exploration of dance and music of the Pacific Islands, including Polynesia, Melanesia, and Micronesia. Specific countries may include but are not limited to Samoa, Hawai'i, Guam, New Zealand, Tahiti, Tonga, Fiji, Solomon Islands, Papua New Guinea, Vanuatu, Kiribati, Marshall Islands, Naru, and Palau. Students learn intermediate dance steps, postures, rhythms, timing, songs, and movements of different Pacific Island dance in contemporary and traditional forms using Pacific Island movement terminology. The course examines the function and aesthetic of dance as ritual, social discourse, education, and artistic expression.

DNCE 136: Dance Practices Across Cultures and Borders
Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Spring

This dance technique course focuses on the dance and music traditions of world cultures such as Africa, Asia, Central America and the Caribbean, North America, South America, the Middle East, and Europe. Students learn fundamental dance movements, postures, and rhythms. The course also examines the cultural roles and aesthetics of dance, including ritual, social, and artistic expression.

DNCE 140: Ballroom Dance Technique I
Units: 1
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments between/among DNCE 140, DNCE 143, DNCE 240, and DNCE 243.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall

This course introduces beginning principles and techniques of American ballroom dances, which may include the slow waltz, tango, Viennese waltz, foxtrot, swing, and quickstep. Students learn and perform basic ballroom dances while improving alignment, timing, coordination, and partnering techniques.

DNCE 143: Ballroom Dance Technique II
Units: 1
Prerequisites: None
Advisory: DNCE 140
Enrollment Limitation: Maximum of four enrollments between/among DNCE 140, DNCE 143, DNCE 240, and DNCE 243.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall

This continued study of ballroom dance principles and techniques focuses on beginning-intermediate level American ballroom dances, including the slow waltz, tango, Viennese waltz, foxtrot, swing, and quickstep. Students learn and perform beginning-intermediate ballroom dance combinations while improving alignment, musicality, styling, and partnering skills.

DNCE 146: Latin Dance Technique I
Units: 1
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments between/among DNCE 146, DNCE 147, DNCE 246, and DNCE 247.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Spring

This course introduces beginning dance principles and techniques of Latin partnering dances, such as the cha cha, salsa, samba, and rumba. Students learn and perform basic Latin dances while improving alignment, timing, coordination, and partnering techniques.

DNCE 147: Latin Dance Technique II
Units: 1
Prerequisites: None
Advisory: DNCE 146
Enrollment Limitation: Maximum of four enrollments between/among DNCE 146, DNCE 147, DNCE 246, and DNCE 247.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Spring

This continued study of Latin dance principles and technique focuses on beginning-intermediate Latin partnering dances, such as the cha cha, salsa, samba and rumba. Students learn and perform Latin partnering dances while improving alignment, rhythm, footwork, and styling.

DNCE 150: Pilates Mat & Reformer I
Units: 1.5
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This beginning-intermediate level Pilates-based program utilizes mat and reformer exercises designed to improve strength, flexibility, enhance dance performance, movement coordination, and physical conditioning. May be repeated once.

DNCE 152: Ballet I
Units: 1.5
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments among DNCE 152, DNCE 154.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on the fundamentals of ballet technique, principles, and terminology. It prepares students for more advanced study in ballet. Topics include terminology, variations of ballet barre, center, petite allegro, adagio, turns, and grand allegro work. Students develop increased proficiency and skill attainment with each repetition. May be repeated three times.

DNCE 154: Ballet II
Units: 1.5
Prerequisites: None
Advisory: DNCE 152
Enrollment Limitation: Maximum of four enrollments among DNCE 152, DNCE 154.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on intermediate ballet technique, principles, and terminology. It prepares students for more advanced study in ballet. Topics include terminology, variations of ballet barre, center, petit allegro, adagio, turns, and grand allegro work. May be repeated three times.

DNCE 166: Jazz Dance I
Units: 1.5
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments among DNCE 166, DNCE 168, DNCE 266, DNCE 268.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on the fundamentals of jazz-dance technique, principles, and terminology. It prepares students for a more advanced study in jazz dance. Topics include terminology, warm-up, stretches, on-the-diagonal progressions, and dance combinations center floor. Students develop increased proficiency and skill attainment with each repetition. Students are required to attend a live dance performance. May be repeated one time.

DNCE 168: Jazz Dance II
Units: 1.5
Prerequisites: None
Advisory: DNCE 166.
Enrollment Limitation: Maximum of four enrollments among DNCE 166, DNCE 168, DNCE 266, DNCE 268.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides study in intermediate jazz dance technique, principles, and terminology. It prepares students for more advanced study in jazz dance. Topics include warm-up, stretches, on-the-diagonal progressions, and dance combinations center floor. Students are required to attend a live dance concert. May be repeated one time.

DNCE 172: Musical Theater Dance I
Units: 1.5
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall

This course provides study in beginning dance technique, principles, and terminology appropriate for musical theater dance. It prepares students to audition for the MiraCosta College musical and for more advanced study in musical theater dance. Topics include warm-up, across-the-floor progressions, and center-floor dance combinations. Students are required to attend a live dance concert.

DNCE 174: Musical Theater Dance II
Units: 1.5
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall

This course provides study in intermediate dance technique, principles, and terminology appropriate for musical theater dance. It prepares students to audition for the MiraCosta College musical and for more advanced study in musical theater dance. Topics include warm-up, across-the-floor progressions, and center-floor dance combinations. Students are required to attend a live dance concert.

DNCE 176: Modern Dance I
Units: 1.5
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments among DNCE 176 and DNCE 178.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course introduces modern dance principles and techniques, exploring the elements of time, space, energy, and shape. Students learn correct body alignment, rhythm, breath, and balance through the study and practice of modern dance combinations. Students are required to attend a live dance performance. May be repeated three times.

DNCE 178: Modern Dance II
Units: 1.5
Prerequisites: None
Advisory: DNCE 176.
Enrollment Limitation: Maximum of four enrollments among DNCE 176 and DNCE 178.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course is a continued study of modern dance, based on the principles of contraction and release, fall and recovery, and effort/shape. Students learn movement combinations and group choreography, utilizing intermediate modern dance technique, improvisation, and choreographic variations. Students are required to attend a live dance concert. May be repeated three times.

DNCE 179: Musical Theatre Dance Production
Units: 1-2
Prerequisites: None
Corequisite: DRAM 204.
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 6 hours.
Course Typically Offered: Spring

This course focuses on dance techniques within the context of historical and contemporary Broadway musicals and/or plays. Students assess how movement, energy, stage presence, and musicality affect level of performance, and they integrate these techniques into choreography of a theatrical performance. May be repeated two times.

DNCE 200: Contemporary Dance Production I
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Spring odd years

This course explores the choreographic, rehearsal, and performance process of contemporary dance forms for dance concerts, outreach, and community events at a beginning level. Students work under professional working conditions and requirements. This course culminates in a live dance performance.

DNCE 201: Contemporary Dance Production II
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall odd years

This course explores the choreographic, rehearsal, and performance process of contemporary dance forms for dance concerts, outreach, and community events at the intermediate level. Students work under professional working conditions and requirements. This course culminates in a live dance performance.

DNCE 202: Contemporary Dance Production III
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Spring even years

This course explores the choreographic, rehearsal, and performance process of contemporary dance forms for dance concerts, outreach, and community events at the intermediate-advanced level. Students work under professional working conditions and requirements. This course culminates in a live dance performance.

DNCE 203: Contemporary Dance Production IV
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall even years

This course explores the choreographic, rehearsal, and performance process of contemporary dance forms for dance concerts, outreach, and community events at the advanced level. Students work under professional working conditions and requirements. This course culminates in a live dance performance.

DNCE 204: Classical Dance Production I
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Spring even years

This course explores the choreographic, rehearsal, and performance process of classical dance genres for dance concerts, outreach, and community events at a beginning level. Students work under professional working conditions and requirements. This course culminates in a live dance performance.

DNCE 205: Classical Dance Production II
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall even years

This course explores the choreographic, rehearsal, and performance process of classical dance genres for dance concerts, outreach, and community events at the intermediate level. Students work under professional working conditions and requirements. This course culminates in a live, in-person dance performance.

DNCE 206: Classical Dance Production III
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Spring odd years

This course explores the choreographic, 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, in-person dance performance.

DNCE 207: Classical Dance Production IV
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall odd years

This course explores the choreographic, rehearsal, and performance process of classical dance genres for dance concerts, outreach, and community events at an advanced level. Students work under professional working conditions and requirements. This course culminates in a live dance performance.

DNCE 221: Hip Hop III
Units: 1
Prerequisites: None
Advisory: DNCE 122
Enrollment Limitation: Maximum of four enrollments among DNCE 121, DNCE 122, DNCE 221, DNCE 222.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This continuation of hip-hop dance, focusing on styles used for movies, television, and video productions. It includes popping, locking, breakdancing, rocking, and other hip-hop styles at an intermediate level.

DNCE 222: Hip Hop IV
Units: 1
Prerequisites: None
Advisory: DNCE 221
Enrollment Limitation: Maximum of four enrollments among DNCE 121, DNCE 122, DNCE 221, DNCE 222.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This continuation of hip-hop dance focuses on styles used for movies, television, and video productions. It includes popping, locking, b-boying, rocking, and other hip-hop styles at an intermediate-advanced level.

DNCE 234: Pacific Island Dance III
Units: 1.5
Prerequisites: None
Advisory: DNCE 135
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course studies the dance and music of the Pacific Islands, including Polynesia, Melanesia, and Micronesia at the intermediate-advanced level. Specific countries may include but are not limited to Samoa, Hawai'i, Guam, New Zealand, Tahiti, Tonga, Fiji, Solomon Islands, Papua New Guinea, Vanuatu, Kiribati, Marshall Islands, Naru, and Palau. Students learn intermediate-advanced dance steps, postures, rhythms, timing, songs, and movements of different Pacific Island dances in contemporary and traditional forms using Pacific Island movement terminology. The course examines the function and aesthetic of dance as ritual, social discourse, education, and artistic expression.

DNCE 235: Pacific Island Dance IV
Units: 1.5
Prerequisites: None
Advisory: DNCE 234
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course continues the study of dance and music of the Pacific Islands, including Polynesia, Melanesia, and Micronesia at the advanced level. Specific countries may include but are not limited to Samoa, Hawai'i, Guam, New Zealand, Tahiti, Tonga, Fiji, Solomon Islands, Papua New Guinea, Vanuatu, Kiribati, Marshall Islands, Naru and Palau. Students learn advanced dance steps, postures, rhythms, timing, songs, and movements of different Pacific Island dance in contemporary and traditional forms using Pacific Island movement terminology. The course examines the function and aesthetic of dance as ritual, social discourse, education, and artistic expression.

DNCE 240: Ballroom Dance Technique III
Units: 1
Prerequisites: None
Advisory: DNCE 143
Enrollment Limitation: Maximum of four enrollments between/ among DNCE 140, DNCE 143, DNCE 240, and DNCE 243.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall

This continued study of ballroom dance principles and techniques focuses on the intermediate level of American ballroom dances, including slow waltz, tango, Viennese waltz, foxtrot, swing, and quickstep. Students learn and perform intermediate ballroom dance combinations while improving musicality, styling, and partnering skills.

DNCE 243: Ballroom Dance Technique IV
Units: 1
Prerequisites: None
Advisory: DNCE 240
Enrollment Limitation: Maximum of four enrollments between/ among DNCE 140, DNCE 143, DNCE 240, and DNCE 243.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall

This continued study of ballroom dance principles and techniques focuses on the intermediate-advanced level of American ballroom dances, including slow waltz, tango, Viennese waltz, foxtrot, swing, and quickstep. Students learn and perform intermediate-advanced ballroom dance combinations while improving musicality, styling, improvisation, and partnering skills.

DNCE 246: Latin Dance Technique III
Units: 1
Prerequisites: None
Advisory: DNCE 147
Enrollment Limitation: Maximum of four enrollments between/ among DNCE 146, DNCE 147, DNCE 246, and DNCE 247.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Spring

This continued study of Latin dance principles and technique focuses on intermediate Latin partnering dances, such as the cha cha, salsa, samba, mambo, and rumba. Students learn and perform Latin partnering dances while improving alignment, musicality, footwork, and styling.

DNCE 247: Latin Dance Technique IV
Units: 1
Prerequisites: None
Advisory: DNCE 246
Enrollment Limitation: Maximum of four enrollments between/ among DNCE 146, DNCE 147, DNCE 246, and DNCE 247.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Spring

This continued study of Latin dance principles and technique focuses on intermediate-advanced Latin partnering dances, such as the cha cha, salsa, samba, mambo and rumba. Students learn and perform Latin partnering dances while improving alignment, musicality, footwork, and styling.

DNCE 250: Contemporary Dance Intensive I
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition. Maximum of four enrollments between/among DNCE 250, DNCE 253, DNCE 254, DNCE 256.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Summer

The dance intensive focuses on contemporary dance as an expressive art form at the beginning/intermediate level. Guest artists may be brought in and work on building technical skills, improvisational skills, and partnering skills. Repertory may be taught from the guest artists' experiences. The course evaluates movement phrases in space, effort, and time and focuses on establishing kinesthetic awareness and the ability to find one's own groove.

DNCE 253: Contemporary Dance Intensive II
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition. Maximum of four enrollments between/among DNCE 250, DNCE 253, DNCE 254, DNCE 256.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Summer

The summer dance intensive focuses on contemporary dance as an expressive art form at the intermediate level. Guest artists may be brought in and work on building technical skills, improvisational skills, and partnering skills. Repertory may be taught from guest artists' experiences. The course evaluates movement phrases in space, effort, and time and focuses on establishing kinesthetic awareness and the ability to find one's own groove.

DNCE 254: Contemporary Dance Intensive III
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition. Maximum of four enrollments between/among DNCE 250, DNCE 253, DNCE 254, DNCE 256.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Summer

The summer dance intensive focuses on contemporary dance as an expressive art form at the intermediate-advanced level. Guest artists may be brought in and work on building technical skills, improvisational skills, and partnering skills. Repertory may be taught from their company experiences. The course evaluates movement phrases in space, effort, and time and focuses on establishing kinesthetic awareness and the ability to find one's own groove.

DNCE 256: Contemporary Dance Intensive IV
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition. Maximum of four enrollments between/among DNCE 250, DNCE 253, DNCE 254, DNCE 256.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Summer

This summer dance intensive focuses on contemporary dance as an expressive art form at the advanced level. Guest artists may be brought in and work on building technical skills, improvisational skills, and partnering skills. Repertory may be taught from their company experiences. The course evaluates movement phrases in space, effort, and time and focuses on establishing kinesthetic awareness and the ability to find one's own groove.

DNCE 260: Dance Touring Ensemble
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall

This course allows students to study traditional and contemporary choreography through rehearsal and competitive performance. Dancers participate in concerts and festivals on campus and throughout the community and region, including American College Dance Association (ACDA) competitions. Students experience different repertoire each semester the course is offered. May be repeated three times.

DNCE 263: Contemporary Dance Workshop and Performance A
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Summer odd years

This course offers students and choreographers a beginning-level experience working in a collaborative workshop setting. Students participate in the creative process throughout the workshop, which culminates in a public performance. Students work under professional working conditions and requirements.

DNCE 264: Contemporary Dance Workshop and Performance B
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Summer even years

This course offers students and choreographers a beginning-intermediate level experience working in a collaborative workshop setting. Students participate in the creative process throughout the workshop, which culminates in a public performance. Students work under professional working conditions and requirements.

DNCE 266: Jazz Dance III
Units: 1.5
Prerequisites: None
Advisory: DNCE 168
Enrollment Limitation: Maximum of four enrollments among DNCE 166, DNCE 168, DNCE 266, DNCE 268.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides study in intermediate/advanced jazz-dance technique, principles, and terminology. Topics include musicality and a variety of jazz styles.

DNCE 267: Contemporary Dance Workshop and Performance C
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Summer odd years

This course offers students and choreographers an intermediate-advanced level experience working in a collaborative workshop setting. Students participate in the creative process throughout the workshop, which culminates in a public performance. Students work under professional working conditions and requirements.

DNCE 268: Jazz Dance IV
Units: 1.5
Prerequisites: None
Advisory: DNCE 266
Enrollment Limitation: Maximum of four enrollments among DNCE 166, DNCE 168, DNCE 266, DNCE 268.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Fall, Spring

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

DNCE 269: Contemporary Dance Workshop and Performance D
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 3 hours.
Course Typically Offered: Summer even years

This course offers students and choreographers an advanced-level experience working in a collaborative workshop setting. Students participate in the creative process throughout the workshop, which culminates in a public performance. Students work under professional working conditions and requirements.

DNCE 278: Dance as a Profession
Units: 2
Prerequisites: DNCE 185.
Acceptable for Credit: CSU
Lecture 1 hour, laboratory 3 hours.
Course Typically Offered: Spring even years

This course is designed for the student planning to pursue dance as a career. Components of this course include audition techniques, resume building, professional headshots, costume design, light design, music/sound editing and creation, and other aspects of dance as a profession.

DNCE 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

DNCE 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Design

The Design program offers courses in architecture, drafting, and engineering for students who wish to transfer to a four-year institution or gain employment in the fields of architecture, computer-aided design, mechanical design, and engineering.

The program also offers courses for those who may not be pursuing a career in design but who have an interest in or need to understand graphic communication.

The engineering coursework includes engineering design graphics courses for students majoring in aerospace, civil, environmental, industrial, mechanical, and structural engineering. Careers in engineering, some of which require an undergraduate degree, include CAD drafter, civil engineer, industrial designer, structural engineer, and mechanical engineer.

The architectural coursework gives students a working knowledge of the practices and technical aspects of architectural design and drawing. Careers in architecture, some of which require an undergraduate degree, include architect, designer, urban planner, surveyor, draftsperson, building inspector, 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.

Graduates of the program have been hired by local companies such as General Atomics, Northrop Grumman, Parker Aerospace, Calloway Golf, LaCantina Doors, Forecast 3D, Fluidra, NASA, AVRP, Boeing, and Illumina. Graduates of the program have also been accepted to universities such as SDSU, Cal Poly, NewSchool, Woodbury, USC, UCSD, UCLA, and UC Berkeley. Graduates have been awarded the Bridges Scholarship and the prestigious Jack Kent Cooke undergraduate transfer scholarship.

Academic and Career Pathway

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

Contact Information

Chair: David Parker
Dean: Annie Ngo
https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/design/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/design/)

Department: Design
Office: Building OC3600, 760.795.6807

Full-Time Faculty

Paul Clarke
David Parker

Associate Degrees

Associate in Arts Degrees

Architectural Design
Computer-Aided Drafting
Computer-Aided Drafting and Design
Mechanical Design

Associate in Science Degrees

Engineering Technology

Students may earn one of the above-named associate degrees by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts or Associate in Science degree (see Associate Degrees (http://catalog.miracosta.edu/degreecertificatetransferinfo/requirements/)). 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

Upon completion of this program, the student will be able to design and create graphical representations of the built environment based on industry standards.

Course Requirements

Required courses:		
DESN 100	Fundamentals of Design	3
DESN 101	Computer-Aided Design and Drafting	4
DESN 102	Architectural Drawing	3
DESN 103	Architectural Communications	3
DESN 105	Construction Materials	3
DESN 200	Architectural Design I	3
DESN 201	Advanced AutoCAD Computer-Aided Design and Drafting	3
DESN 207	Revit Building Information Modeling	3
DESN 290	Portfolio and Presentation	1
or DESN 292	Internship Studies	
or DESN 299	Occupational Work Experience Education	
Select at least 6 elective units from the following:		6
BUS 133	Project Management	
DESN 107	History of Western Architecture-A Sustainable Perspective	
DESN 108	World Architecture	

DESN 204	Modeling, Prototyping, and Manufacturing	
HORT 127	Landscape Design	
MAT 110	Digital Imaging 1: Adobe Photoshop	
Total Units		**32**

Certificate of Achievement
Computer-Aided Drafting

This certificate provides a solid foundation in computer-aided drafting (CAD). In addition to the common core of required courses, students choose an area of emphasis (architecture, engineering, or landscape) and complete all the courses from that emphasis. Completion of this program prepares students for entry level support positions in a variety of local industries or for continuing their education. Typical job titles of students completing this certificate include drafter, CAD operator, AutoCAD technician, and architectural and civil drafter.

This certificate consists of 18 units of required core courses and 6-7 units of elective courses from one area of emphasis: architecture, engineering, or landscape. Students should select an emphasis area and complete both courses in that emphasis.

Program Student Learning Outcome

Upon completion of this program, the student will be able to design and create graphical representations of the built environment based on industry standards.

Course Requirements

Required courses:		
DESN 101	Computer-Aided Design and Drafting	4
DESN 110	Graphics Communication	3
DESN 201	Advanced AutoCAD Computer-Aided Design and Drafting	3
DESN 203	Solid Modeling	3
DESN 204	Modeling, Prototyping, and Manufacturing	3
DESN 286	Professional Certification Preparation	1
DESN 290	Portfolio and Presentation	1
or DESN 292	Internship Studies	
or DESN 299	Occupational Work Experience Education	
Select an area of emphasis in either Architecture, Engineering or Landscape from below:		4-6
Emphasis in Architecture (6 units):		
DESN 102	Architectural Drawing	
DESN 207	Revit Building Information Modeling	
Emphasis in Engineering (4 units):		
DESN 111	Engineering Design Graphics	
Emphasis in Landscape (6 units):		
HORT 127	Landscape Design	
HORT 220	Computer-Aided Landscape Design Applications	
Total Units		**22-24**

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 11 elective units from that emphasis. Completion of this program prepares students for entry-level support positions in a variety of local industries or for continuing their education. Typical job titles of students completing this certificate include designer, CAD technician, design drafter, and architectural and civil designer.

This certificate consists of 18 units of required core courses and at least 11 units of elective courses from one area of emphasis: architecture, engineering, or landscape.

Program Student Learning Outcome

Upon completion of this program, the student will be able to design and create graphical representations of the built environment based on industry standards.

Course Requirements

Required courses:		
DESN 101	Computer-Aided Design and Drafting	4
DESN 110	Graphics Communication	3
DESN 201	Advanced AutoCAD Computer-Aided Design and Drafting	3
DESN 203	Solid Modeling	3
DESN 204	Modeling, Prototyping, and Manufacturing	3
DESN 286	Professional Certification Preparation	1
DESN 290	Portfolio and Presentation	1
or DESN 292	Internship Studies	
or DESN 299	Occupational Work Experience Education	
Select at least 11 units from one of the three areas of emphasis (Architecture, Engineering, or Landscape):		11
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	Irrigation and Water Management	
HORT 127	Landscape Design	

HORT 220	Computer-Aided Landscape Design Applications	
Total Units		**29**

Certificate of Achievement
Engineering Technology

This certificate provides students with a background for employment in an engineering, manufacturing, or product development firm in support of and under the direction of an engineering professional. Employment opportunities exist in private manufacturing industries, such as aerospace, medical, industrial, or information technology, as an engineering assistant, engineering technologist, or engineering technician. Most of the course requirements are applicable to lower-division preparation leading to a bachelor's degree in engineering technology at a four-year institution. The support courses allow students to select two courses that will strengthen their preparation for the required core courses. Students should select the support courses based on their previous academic record, their future academic goals, and with input from a counselor or discipline faculty member.

Program Student Learning

Upon completion of this program students will be able to demonstrate engineering and design skills necessary for entry level engineering positions and further academic study in engineering and/or design.

Course Requirements

Required courses:		
CSIT 110	Computer Applications	3
CS 150	C++ Programming	3
DESN 101	Computer-Aided Design and Drafting	4
DESN 109	Introduction to Engineering and Design	1
DESN 111	Engineering Design Graphics	4
DESN 120	Manufacturing Processes	3
DESN 203	Solid Modeling	3
MATH 131	Pre-Calculus II: Trigonometry and Analytic Geometry	4-5
or MATH C2210	Calculus I: Early Transcendentals	
or MATH C2210H	Calculus I: Early Transcendentals - Honors	
DESN 286	Professional Certification Preparation	1
or DESN 292	Internship Studies	
or DESN 299	Occupational Work Experience Education	
Support Courses: Select two courses.		6-8
CHEM 140	Preparation for General Chemistry: For Science Majors	
CS 101	Introduction to Computer Science Principles	
DESN 110	Graphics Communication	
MATH 126	Pre-Calculus I: College Algebra	
PHYS 111	Introductory Physics I	
or PHYS 151	Principles of Physics I	
Total Units		**32-35**

Certificate of Achievement
Mechanical Design

This certificate prepares individuals for entry-level jobs with companies and agencies involved in the design and/or manufacture of mechanical objects, devices, and equipment. Students develop the knowledge and skills needed to take design ideas from concept sketches to digital models, physical prototypes, detail drawings, and subsequent manufacture and production. Job titles of students completing this certificate include drafter, designer, mechanical designer, and engineering assistant. The certificate also equips employed and transfer students with expertise using the latest industry-standard design tools required for job promotions, advanced study, and professional practice.

Program Student Learning Outcome

Upon completion of this program, the student will be able to design and create graphical representations of the built environment based on industry standards.

Course Requirements

Required courses:		
DESN 101	Computer-Aided Design and Drafting	4
DESN 109	Introduction to Engineering and Design	1
DESN 110	Graphics Communication	3
DESN 111	Engineering Design Graphics	4
DESN 120	Manufacturing Processes	3
DESN 203	Solid Modeling	3
DESN 204	Modeling, Prototyping, and Manufacturing	3
DESN 286	Professional Certification Preparation	1
Select one unit from the following list of courses:		1
DESN 290	Portfolio and Presentation	
DESN 292	Internship Studies	
DESN 299	Occupational Work Experience Education	
Total Units		**23**

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

Upon completion of this program students will be able to apply the standard Design Process to generate solutions across multiple industries.

Course Requirements

Required courses:		
DESN 100	Fundamentals of Design	3

DESN 101	Computer-Aided Design and Drafting	4
Select an area of emphasis in Interior Design or Industrial Design from below:		6
Emphasis in Design (6 units)		
DESN 102	Architectural Drawing	
DESN 107	History of Western Architecture-A Sustainable Perspective	
DESN 200	Architectural Design I	
Emphasis in Industrial Design (6 units)		
DESN 110	Graphics Communication	
DESN 203	Solid Modeling	
DESN 204	Modeling, Prototyping, and Manufacturing	
Total Units		**13**

Certificate of Proficiency

AutoCAD Certified User

This certificate offers students credit college courses in solid modeling that transfer to local universities and prepare students to take the AutoCAD certification exam and become a certified user. Beginning students who complete this certificate are on a path toward completing an associate degree in computer aided drafting and transferring to a four-year university. The certificate is also valuable to industry professionals seeking to upgrade their skills and obtain certification.

Program Student Learning Outcome

At the end of the program students will be able to demonstrate knowledge of the certification exam schedules and be able to apply success skills and strategies to prepare for certification exams.

Course Requirements

Required courses:		
DESN 101	Computer-Aided Design and Drafting	4
DESN 201	Advanced AutoCAD Computer-Aided Design and Drafting	3
DESN 286	Professional Certification Preparation	1
Total Units		**8**

Certificate of Proficiency

Engineering Design Graphics

This certificate provides students an opportunity to explore and become proficient with the graphic tools used by designers and engineers to take ideas from design concept to prototype and physical product. Students who complete this certificate are encouraged to then pursue the Mechanical Design or CADD Certificate of Achievement and continue their engineering education.

Program Student Learning Outcome

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.).

Course Requirements

Required courses:		
DESN 101	Computer-Aided Design and Drafting	4
DESN 109	Introduction to Engineering and Design	1
DESN 111	Engineering Design Graphics	4
DESN 120	Manufacturing Processes	3
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

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.

Course Requirements

Required courses:		
DESN 101	Computer-Aided Design and Drafting	4
DESN 102	Architectural Drawing	3
DESN 110	Graphics Communication	3
Total Units		**10**

Certificate of Proficiency

SolidWorks Certified User

This certificate offers students credit college courses in solid modeling that transfer to local universities and prepare students to take the SOLIDWORKS certification exam and become a certified user. Beginning students who complete this certificate are on a path toward completing an associate degree in CADD or mechanical design and transferring to a four-year university. The certificate is also valuable to industry professionals seeking to upgrade their skills and obtain certification.

Program Student Learning Outcome

At the end of the program students will be able to demonstrate knowledge of the certification exam schedules and be able to apply success skills and strategies to prepare for certification exams.

Course Requirements

Required courses:		
DESN 111	Engineering Design Graphics	4

DESN 203	Solid Modeling	3
DESN 286	Professional Certification Preparation	1
Total Units		**8**

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

Upon completion of this program, students will be able to design and create graphical representations of the built environment based on industry standards.

Course Requirements

Required courses:		
DESN 120	Manufacturing Processes	3
DESN 201	Advanced AutoCAD Computer-Aided Design and Drafting	3
DESN 203	Solid Modeling	3
DESN 204	Modeling, Prototyping, and Manufacturing	3
DESN 286	Professional Certification Preparation	1
Total Units		**13**

Courses

DESN 100: Fundamentals of Design
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course introduces the fundamentals of the design process as students develop and apply design skills using visual elements and principles of two- and three-dimensional design. It includes solving visual problems and creating authentic designs using black and white and color media in both two- and three-dimensions. Students also study design in historical, social, and multicultural contexts.

DESN 101: Computer-Aided Design and Drafting
Units: 4
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the fundamentals of computer graphics and two and three-dimensional modeling on computer-aided design and drafting systems. Students use AutoCAD and other software and online computer systems to design and display various objects. Students learn principles and techniques that enable them to create, modify, annotate, scale, and output two- and three-dimensional drawings, renderings, and models.

DESN 102: Architectural Drawing
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides the methods and techniques required for architectural drawing. It covers freehand sketching, line work, lettering, geometric constructions, orthographic and isometric projections, and construction drawings, which include floor plans, elevations, sections, and details.

DESN 103: Architectural Communications
Units: 3
Prerequisites: None
Advisory: DESN 102
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course provides students the fundamentals of architectural presentation, rendering, and model making. It introduces standards and applications of design language, color theory, pen and ink, freehand drawing, two-point perspective, and model making technique.

DESN 105: Construction Materials
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring

This course provides an overview of the processes and materials used in construction. Topics include elements of planning, designing, and contracting of the work. The course emphasizes site preparation and the materials used in residential and commercial projects, including wood, concrete, steel, glazing, and masonry as applied to the interiors and exteriors of buildings.

DESN 107: History of Western Architecture-A Sustainable Perspective
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Summer

This course introduces the history of Western architecture from the ancient Near East to the present day with an emphasis on the timeless principles of sustainable design. It examines selected significant historical works of architecture to shed light on the technological, religious, and social forces that shaped these works. Students are introduced to important buildings as they examine past exemplars of architectural design through the lens of present day sustainability guidelines.

DESN 108: World Architecture
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This survey of non-Western architectural history examines how non-Western building traditions evolved during and after Western and Islamic colonialism. The course focuses on the cultural conditions and forces that shaped the indigenous architecture of the pre-Columbian Americas, the Islamic empires, India, China, South-East Asia, and Japan.

DESN 109: Introduction to Engineering and Design
Units: 1
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall

This course introduces students to engineering and design. Students learn about engineering as a field of study and profession. Through tours, guest speakers, text reading, and group discussions, students learn about the campus resources, organizations, academic planning, time management, and study skills necessary for success in engineering. Students develop a plan to achieve their own academic, personal, and professional goals as well as an understanding of design through a project- and team-based learning experience.

DESN 110: Graphics Communication
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course introduces graphics as a fundamental means of communicating technical information for product design, manufacturing, and construction. Students develop an understanding of graphics communication in the design process and gain hands-on experience using computer-aided design software to produce models, assemblies, and drawings according to industry standards.

DESN 111: Engineering Design Graphics
Units: 4
Prerequisites: None
Advisory: DESN 101 or DESN 110
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course prepares engineering and design students to use the graphic communication tools used by engineers in industry. Students develop an advanced understanding of these tools in the engineering design process and gain hands-on experience using modern computer-aided solid modeling software to produce complex part models, assemblies, and drawings.

DESN 120: Manufacturing Processes
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall

This course provides students a basic understanding of the properties of materials and how these materials, including plastics, metals, ceramics, and composites, are transformed into finished products. Students study basic and advanced manufacturing processes, including material removal, joining, assembly, casting, surfacing, and finishing. Other topics include numerical control, rapid prototyping, measurement and gaging, geometric dimensions and tolerancing, and statistical methods

DESN 200: Architectural Design I
Units: 3
Prerequisites: DESN 102.
Enrollment Limitation: Concurrent enrollment in DESN 102 if prerequisite not met.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course introduces the basics of architectural design. Students learn and apply fundamental form and space concepts to a design project using visual communication, spatial communications, and creative problem solving.

DESN 201: Advanced AutoCAD Computer-Aided Design and Drafting
Units: 3
Prerequisites: DESN 101.
Enrollment Limitation: Concurrent enrollment in DESN 101 if prerequisite not met.
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course focuses on applying advanced AutoCAD skills in the design process to create models, drawings, and related documentation for a variety of applications and industries. Topics include blocks, attributes, external references, solid, mesh, and surface modeling, presentation, and photorealistic rendering. Students develop and apply skills in visualizing, creating, and editing 3D shapes for modeling, testing, rapid prototyping, and marketing. The course emphasizes improving productivity and developing modeling and presentation skills.

DESN 203: Solid Modeling
Units: 3
Prerequisites: None
Advisory: DESN 101 and DESN 110
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: 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-2009 and uses SolidWorks software.

DESN 204: Modeling, Prototyping, and Manufacturing
Units: 3
Prerequisites: None
Advisory: DESN 101
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course provides theory and hands-on application of the design process, 3D modeling, prototyping, and manufacturing to beginning and intermediate design students. Building upon drafting fundamentals, students develop skill in computer-aided solid modeling, Autodesk Fusion, additive manufacturing, and conventional manufacturing processes. Students develop and refine modeling skills, produce prototypes, enhance presentation models, and use simulation and 3D printing tools to solve design problems individually and in teams. Additional topics include problem identification, concept generation, project management, risk reduction, file translation, virtual/augmented reality (VR/AR), AI, Geometric dimensioning and tolerancing (GD&T), and quality control.

DESN 207: Revit Building Information Modeling
Units: 3
Prerequisites: None
Advisory: DESN 101 and DESN 102
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course prepares intermediate design students to create, detail, and present CAD models of the built environment using Revit building information modeling software. Students create and modify building models, produce presentations including renderings and animated walk-throughs, manipulate parametric objects, create schedules and details from the data base, and generate construction documents from the model. The course is intended for students pursuing careers in architecture, engineering, construction, drafting, and landscape and interior design.

DESN 286: Professional Certification Preparation
Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1 hour.
Course Typically Offered: Fall

Attaining a professional certification can help employers further validate a student's MiraCosta degree, certificate, or course work. This course provides an overview of industry-based third-party professional certifications, credentials, and licenses specific to a student's discipline of study. Topics include goal setting, a survey of professional certifications relevant to the discipline, industry trends and certification value assessment, exam preparation and exam strategies, practice exams, resolving any skill deficiencies, and life-long learning. Under the instruction of a faculty-mentor, students reflect on their prior course work and career aspirations to produce and execute a plan that outlines the necessary steps to attain the professional certification of their choice. Although students are encouraged to do so, signing up for and/or passing a certification exam is not required to pass the course.

DESN 290: Portfolio and Presentation
Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Spring

Students develop a professional portfolio using their best work from previously completed architecture and drafting courses to highlight their design and drawing achievements. The course also covers how students can market themselves for the workforce through resume writing, job search strategies, and presentation and interview skills.

DESN 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

DESN 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Dramatic Arts

The Dramatic Arts program includes theoretical and practical courses in all aspects of theatre. Students take courses to prepare for a transfer major in dramatic arts, for professional training, or to fulfill general education requirements. Performance and technical theatre opportunities are available to both majors and non-majors. Career options include both creative and technical work in the performing arts/entertainment industry, such as live theatre, film, television, and broadcasting; academic research and teaching; and other communications-related fields, such as advertising and public relations.

Academic and Career Pathway

Creative and Applied Arts (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/)

Contact Information

Chair: Phillip Boland
Dean: Jonathan Fohrman
https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/dramatic-arts/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/dramatic-arts/)

Department: Theatre, Dance & Film
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Eric Bishop
Sean Fanning
Tracy Williams

Associate Degrees

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.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 73)).
- Obtain a minimum grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will be able to apply theatrical techniques and theories to production practices.

Course Requirements

Required courses:		
DRAM 105	Introduction to Theatre	3
DRAM 107	Introduction to Design for Performance	3
DRAM 123	Script Analysis for Performance and Design	3
DRAM 130	Acting I	3
DRAM 253	Makeup for Theatre, Television, and Film	3
DRAM 256	Stagecraft for Theatre, Television, and Film	3
Select at least 3 units from the following:		3
DRAM 201	Rehearsal and Performance: Dramatic Theatre	
DRAM 202	Rehearsal and Performance: Comedic Theatre	
DRAM 203	Rehearsal and Performance: Classical Theatre	
DRAM 204	Rehearsal and Performance: Musical Theatre	
DRAM 210	Rehearsal and Performance: Technical Theatre	
Total Units		**21**

Associate in Arts Degree

Theatre Arts for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a theatre arts degree, an emphasis or option within a theatre arts degree, or a degree considered similar to theatre arts at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a non-participating CSU campus or to a university or college that is not part of the CSU system.

Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a theatre arts major and to determine which CSU campuses are participating in this program. Career options for those who attain a bachelor's degree in theatre arts include actor, set designer, stage manager, artist, designer, museum curator, photographer, illustrator, and other related career paths.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will be able to apply theatrical techniques and theories to production practices.

Course Requirements

Required Core: (9 units)		
DRAM 105	Introduction to Theatre *	3
DRAM 130	Acting I	3
Select a maximum of 3 units from courses below:		3
DRAM 201	Rehearsal and Performance: Dramatic Theatre	
DRAM 202	Rehearsal and Performance: Comedic Theatre	
DRAM 203	Rehearsal and Performance: Classical Theatre	
DRAM 204	Rehearsal and Performance: Musical Theatre	
DRAM 210	Rehearsal and Performance: Technical Theatre	
List A:		9
DRAM 107	Introduction to Design for Performance	
DRAM 123	Script Analysis for Performance and Design	
DRAM 141	Lighting Design for Theatre, Television, and Film	
DRAM 146	Costume Design for Theatre, Television, and Film	
DRAM 231	Acting II	
DRAM 253	Makeup for Theatre, Television, and Film	
DRAM 256	Stagecraft for Theatre, Television, and Film	
Select a maximum of 3 units from courses below if not used in Required Core above:		
DRAM 201	Rehearsal and Performance: Dramatic Theatre	
DRAM 202	Rehearsal and Performance: Comedic Theatre	
DRAM 203	Rehearsal and Performance: Classical Theatre	
DRAM 204	Rehearsal and Performance: Musical Theatre	
DRAM 210	Rehearsal and Performance: Technical Theatre	
Total Units		**18**

* Course approved for the Cal-GETC general education pattern.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Design and Technology

Students may earn the above-named associate degree by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degree (p. 73)s). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

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

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.

Course Requirements

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	Stage and Concert Management	3
or DRAM 253	Makeup for Theatre, Television, and Film	
DRAM 141	Lighting Design for Theatre, Television, and Film	3
DRAM 146	Costume Design for Theatre, Television, and Film	3
DRAM 210	Rehearsal and Performance: Technical Theatre	3
DRAM 256	Stagecraft for Theatre, Television, and Film	3
Total Units		**24**

* To complete the DRAM 210 requirement, multiple sections must be taken in any unit combination to fulfill a total of 3 units.

Courses Related in Content (CRC)

Active participatory dramatic arts courses that are related in content are grouped together. Students are allowed four enrollments within each CRC group, but each course may be taken only once unless its catalog description indicates it is repeatable. Enrollments include any combination of course completions (with an evaluative or nonevaluative symbol recorded on the student's transcript), withdrawals, and repetition.

Acting CRC	
DRAM 130	Acting I
DRAM 148	Acting for the Camera
DRAM 231	Acting II
Audition & Interview Prep CRC	
DRAM 131	Audition Preparation for the Stage
DRAM 133	Performance and Design Portfolio Practicum
Actor's Academy CRC	
DRAM 126	Shakespearean Acting Lab
DRAM 226	Advanced Performance Lab
DRAM 227	Dramatic Improvisation
Voice and Movement CRC	
DRAM 109	Practicum of Voice and Diction
DRAM 232	Movement for the Stage

Courses

DRAM 105: Introduction to Theatre
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course exposes students to fundamental practices and creative processes in dramatic arts, focusing on the relationship of theatre to various cultures throughout history and on the contributions of significant individuals. It introduces elements of the production process, including collaboration, playwriting, acting, directing, design, and criticism, and it explores differing periods, styles, and genres of theatre through reading, discussion, films, and live theatre critique. C-ID THTR-111.

DRAM 107: Introduction to Design for Performance
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course explores the principles, elements, techniques, and practices of design for performance. Topics include analysis of space, movement, mood, period, style, texture, materials, and color using industry-standard techniques of rendering, model-making, drafting, and presentation. The classroom experience stresses the importance of working collaboratively on projects and understanding critique as part of the design process. Materials Fee: $45.00. C-ID THTR-172.

DRAM 109: Practicum of Voice and Diction
Units: 1
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Summer

This course emphasizes vocal training for actors. It includes the basics of vocal training: projection, articulation, expression, breathing techniques, and relaxation as needed for theatrical productions.

DRAM 110: Voice and Diction
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to techniques for improving the quality, flexibility, and effectiveness of the speaking voice. Students examine and practice clear articulation of American English sounds. Topics include vocal expressiveness and variety, physical relaxation, posture, breath control techniques, and the International Phonetic Alphabet.

DRAM 123: Script Analysis for Performance and Design
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

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. C-ID THTR-114.

DRAM 126: Shakespearean Acting Lab
Units: 1
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Summer

This lab course focuses on the basics of classical acting techniques, including comprehension and delivery of Shakespeare's works. It includes ensemble work, exercises, games, and the examination of universal themes.

DRAM 130: Acting I
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on the fundamentals of acting and performance techniques based on Stanislavski's principles. It emphasizes the ability to express thought, emotion, and character through the effective use of voice, movement, and script analysis. 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.
Course Typically Offered: Spring

This course teaches theatre audition techniques: monologue and song presentation; staging; cold-reading techniques; self-directed rehearsal; presentation; self-marketing through cover letters, resumes, and headshots; material selection; audition etiquette and professionalism.

DRAM 133: Performance and Design Portfolio Practicum
Units: 1
Prerequisites: None
Enrollment Limitation: Audition and maximum of four enrollments between DRAM 131 and DRAM 133.
Acceptable for Credit: CSU
Laboratory 3 hours.
Course Typically Offered: Spring

This course focuses on the study and practical application of theatre techniques in competitive performance and design. Students enter by audition/interview or nomination by the Kennedy Center American College Theater Festival. May be repeated three times.

DRAM 134: Introduction to Performance
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring odd 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.

DRAM 139: Stage and Concert Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course introduces the skills and procedures involved in stage managing a theatrical, dance, or music production. Through hands-on experience and observation, students learn to develop the knowledge and skills involved in managing a live performance. They also learn how to properly devise and design scheduling systems to prep, organize, and run rehearsals; design and develop a production book and prompt script; run appropriate dimmer and sound checks; design, organize, and format scenic shifts and their execution; and develop systems for calling lighting and sound cues during live performance.

DRAM 141: Lighting Design for Theatre, Television, and Film
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course introduces students to the technique and practices of theatrical stage lighting and lighting for film and television. It develops skills relative to common applications in these fields. Students engage in both lecture and practice (live or virtually), creating and designing lighting projects in class as well as working on current MiraCosta College Theatre productions. Students evaluate and analyze their skills and creations and critically reflect on their execution. Materials Fee: $25. C-ID THTR-173.

DRAM 146: Costume Design for Theatre, Television, and Film
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course provides students with the opportunity to study costume history, design, and basic construction techniques, serving as an introduction to costuming for theatre, television, and film. Students learn about fabrics and conventional and non-conventional costume materials C-ID THTR-174.

DRAM 148: Acting for the Camera
Units: 3
Prerequisites: DRAM 130.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course introduces performance for the camera concerning the mediums of film, video, and television. Students examine practical approaches and techniques specifically required for each different medium to provide a comprehensive understanding of the relationship between performance and media.

DRAM 201: Rehearsal and Performance: Dramatic Theatre
Units: 1-3
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 9 hours.
Course Typically Offered: Fall, Spring

This course provides students with the opportunity to perform in non-musical, dramatic theatrical productions. Students are instructed in research, textual analysis, and fundamental basic-to-advanced acting skills required to accomplish dramatic acting techniques. All students participate in the Kennedy Center American College Theater Festival academic theatre competition. The course emphasizes the rehearsal process and culminates in public performances. May be repeated two times. C-ID THTR-191.

DRAM 202: Rehearsal and Performance: Comedic Theatre
Units: 1-3
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 9 hours.
Course Typically Offered: Fall, Spring

This course provides students with the opportunity to perform in non-musical, comedic theatrical productions. It provides students with comic devices, physicality, timing, and styles work that is required for the performance of comedic texts. All students participate in the Kennedy Center American College Theater Festival academic theatre competition. The course emphasizes the rehearsal process and culminates in public performances. May be repeated two times. C-ID THTR-191.

DRAM 203: Rehearsal and Performance: Classical Theatre
Units: 1-3
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 9 hours.
Course Typically Offered: Spring

This course allows students to explore a classical theatrical text and the historical context of a chosen play. Students are instructed in the special vocal and movement skills required to accomplish classical acting techniques. All students participate in the American College Theater Festival academic theatre competition. The course emphasizes the rehearsal process for classical acting and culminates in public performance. May be repeated two times. C-ID THTR-191.

DRAM 204: Rehearsal and Performance: Musical Theatre
Units: 1-3
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 9 hours.
Course Typically Offered: Spring

This course provides students with the opportunity to perform in main-stage musical productions. All students participate in the American College Theater Festival academic theatre competition. The course emphasizes the rehearsal process and culminates in public performances. May be repeated two times. C-ID THTR 191.

DRAM 210: Rehearsal and Performance: Technical Theatre
Units: 1-3
Prerequisites: None
Acceptable for Credit: CSU, UC
Laboratory 9 hours.
Course Typically Offered: Fall, Spring

This course provides students with theatre production experience. All students participate in the Kennedy Center/ American College Theatre Festival academic theatre competition. Production crew positions include stage or house management, construction, scenery, properties, costume, lighting, sound, and running crews. The course emphasizes the rehearsal process and culminates in public performances either in person or online. May be repeated three times. C-ID THTR- 192

DRAM 222: Introduction to Black Theater
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring even years

This course explores Black theatre from the pre-Civil War era to the present. It is designed to give students of all backgrounds an introductory understanding of this genre. Topics covered include elements of style, design, and criticism. The course also examines issues of politics, race, and gender in historic and contemporary American theatre.

DRAM 226: Advanced Performance Lab
Units: 1
Prerequisites: DRAM 126.
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Summer

This advanced performance lab course focuses on advanced process and methodology, performance styles, and performance approaches.

DRAM 227: Dramatic Improvisation
Units: 1
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Summer even years

Students explore in-depth personal connections to issues, ideas, and themes through dramatic improvisation. These dramatic improvisations stimulate questions about characterization and provide answers toward defining a character's motivations, actions, and traits within these imaginary circumstances. Process drama develops an actor's creativity, positive choice-making, flexibility, and ability to improvise dialogue, act, react, connect, and disconnect in a real, truthful human experience. This advanced course is offered in conjunction with The Actor's Academy.

DRAM 231: Acting II
Units: 3
Prerequisites: DRAM 130.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides an in-depth application of Stanislavski's principles with an emphasis on characterization, scene study, methodology, and process. Acting studies focus on performance from varied acting philosophies (e.g., Meisner, Michael Chekhov, Hagen), styles, and genres. May be repeated one time. C-ID THTR-152.

DRAM 232: Movement for the Stage
Units: 2
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 1 hour, laboratory 3 hours.
Course Typically Offered: Summer

This course creates an environment in which students explore dynamic movement. It emphasizes not only physical control, strength, flexibility, and creative imagination but also the integration of mind, body, and emotion. May be repeated one time. Materials Fee: $20.00.

DRAM 253: Makeup for Theatre, Television, and Film
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course introduces students to the technique and practices of makeup for theatre, television, and film and develops skills relative to the common applications for stage and film. Students engage in the practice hands-on and create looks ranging from basic corrective makeup to fantasy character creation. Students evaluate and analyze the effectiveness of their makeup, reflect on their skills, produce proper design documentation, and put makeup design and application into practice. Materials Fee: $85.00. C-ID THTR-175.

DRAM 256: Stagecraft for Theatre, Television, and Film
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course introduces students to the technique and practices of stagecraft for theatre, television, and film, and it develops skills relative to the common applications found backstage. Students engage in both lecture and practice, gaining hands-on experience while demonstrating skills learned in course work. Creating scenic environments for current MiraCosta College Theatre productions, students evaluate and analyze the effectiveness of their creations, critically reflect on their skills, and put them into practice. Materials Fee: $50.00. C-ID THTR-171.

DRAM 273: Acting, Voice, and Movement Workshop
Units: 1
Prerequisites: None
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Summer odd years

This course explores the study of acting techniques, scene study, ensemble performance, and the development of voice and movement skills. This course culminates in a live theatrical performance.

DRAM 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

DRAM 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Earth Sciences

Earth Sciences is an interdisciplinary field that includes astronomy and space science, climatology, geology, physical geography, and oceanography. Students take courses in these areas of study to prepare for a major or to fulfill general education requirements in physical science.

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Contact Information

Chair: Erika Peters(Physical Sciences)
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/earth-science/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/earth-science/)

Department: Physical Sciences
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Marina Argueta
Roberto Falero
Eric Snortum

Courses

EART 106: Earth and Space Science
Units: 3
Prerequisites: None
Enrollment Limitation: not open to students with prior credit in EART 106H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces the essentials of Earth science, including the geosphere, atmosphere, hydrosphere, and solar system. It focuses on the interactions between physical and chemical systems of the Earth, such as the tectonic cycle, rock cycle, hydrologic cycle, weather, and climate. UC CREDIT LIMITATION: No credit if taken after a college-level course in astronomy, Earth science, or geology.

Economics

Economics is the science that examines the production, distribution, and consumption of goods and services as well as the theory and management of economies and economic systems. Students take economics courses to prepare for a major or to fulfill general education requirements.

With a bachelor's degree, students have career options in banking, business, management, finance, insurance, real estate, marketing, law, politics, government, journalism, health care, and education.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: John Phillips
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/economics/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/economics/)

Department: Social Science
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Shafin Ali

Courses

ECON C2001: Principles of Microeconomics
Units: 3
Prerequisites: Placement as determined by the colleges multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.
Enrollment Limitation: Not open to students with prior credit in ECON 102.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

An introductory course using microeconomic models to understand individual decisions by consumers and firms, market outcomes including market failure, elasticity, market structures, labor markets, inequality, and the impact of government policies. Topics include scarcity, opportunity cost, comparative advantage, supply and demand, utility theory, production and cost analysis, and international economics. Formerly ECON 102. C-ID ECON 201.

ECON C2002: Principles of Macroeconomics
Units: 3
Prerequisites: Placement as determined by the colleges multiple measures assessment process or completion of a course taught at or above the level of elementary algebra.
Enrollment Limitation: Not open to students with prior credit in ECON 101.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

An introductory course using models of the domestic and international economy to understand national income, unemployment, inflation, economic growth, inequality, the financial system, and monetary, fiscal, and other economic policies. This course introduces the study of the aggregate economy. Students examine macroeconomic indicators, analyze debates surrounding business cycle fluctuations, and explore issues related to international economics. Formerly ECON 101. C-ID ECON-202.

ECON 100: Survey of Economics
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course provides a non-technical introduction to economics. Designed for the non-major, it shows the application of basic economic principles to contemporary social issues and public policy. UC CREDIT LIMITATION: No credit if taken after ECON 101, ECON 102, ECON C2001, or ECON C2002.

ECON 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Education

The Education discipline offers preparation for multiple- and single-subject teaching credentials as well as introductory courses to assist students in making career choices.

A liberal studies major is recommended for students planning to transfer to CSU to earn a multiple-subject (grades K-6) credential. Requirements vary among transfer institutions, so students planning to earn a bachelor's degree and teaching credential should meet with a MiraCosta College counselor early in their first semester to identify courses that will meet requirements for their intended major and transfer institution.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: Claudia Flores
Dean: Annie Ngo
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/education/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/education/)

Department: Child Development
Office: Building OC3600, 760.795.6807

Courses

EDUC 115: Foundations of Teaching as a Profession
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces teaching careers in primary and secondary education and involves 15 hours of in-person 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: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Electrical Engineering

Electrical engineering is the study and application of electricity, electronics, and electromagnetism, covering core areas like circuit analysis, digital systems, power generation, signal processing, and robotics.

Students take courses to prepare for an electrical engineering major, fulfill general education requirements, and meet prerequisites for technical programs including computer science, telecommunications, and advanced manufacturing.

Career options for those with a degree in electrical engineering include roles in power systems, electronics design, aerospace, and telecommunications within private industry, government agencies, and research laboratories.

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Contact Information

Chair: Erika Peters(Physical Sciences)
Dean: Michael Fino
https://www.miracosta.edu/

Department: Physical Sciences
Office: Building OC4800, 760.757.2121 x6924

Courses

EE 100: Introduction to Electrical Engineering
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This first course for electrical engineering majors covers the basic principles of electrical engineering and exposes students to the electronics and laboratory environment. Students learn about different areas of electrical engineering in the analog and digital worlds. They become familiar with the safety, measurement, and basic units in the laboratory environment. The course provides introductory skills required for advanced electrical engineering coursework.

EE 110: Electrical Engineering Clinic I
Units: 1
Prerequisites: EE 100.
Acceptable for Credit: CSU
Laboratory 3 hours.
Course Typically Offered: Spring

This course focuses on developing a comprehensive understanding of the laboratory environment, covering topics such as laboratory safety protocols, basic equipment operation, requirements interpretation, and test plan creation and implementation. Students gain practical experience using Programmable Logic Control (PLC) programming and LabVIEW. Each module combines theoretical knowledge with hands-on exercises to ensure the development of essential electrical engineering skills.

EE 210: Electrical Engineering Clinic II
Units: 1
Prerequisites: EE 110.
Acceptable for Credit: CSU
Laboratory 3 hours.
Course Typically Offered: Fall

This course covers current industry knowledge and skill sets in demand in the area of Electrical Engineering and associated technologies regarding simulation modeling, software and hardware interfaces. Topics include learning MATLAB, Simulink Toolbox, introduction to object-oriented programming, and interfacing with Arduino/ELEGOO development kits.

Engineering

Engineering is the application of scientific and mathematical principles to design, build, and analyze structures, machines, systems, and processes. Students take engineering courses to prepare for majors in fields such as mechanical, aerospace, civil, and electrical engineering. Courses introduce foundational concepts in statics, dynamics, and electrical circuits. These courses also support preparation for transfer into four-year engineering programs. A bachelor's degree in engineering can lead to careers in industries such as aerospace, energy, construction, electronics, manufacturing, transportation, robotics, and product design.

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Contact Information

Chair: Erika Peters(Physical Sciences)
Dean: Michael Fino
https://www.miracosta.edu/

Department: Physical Sciences
Office: Building OC4800, 760.757.2121 x6924

Courses

ENGR 130: Statics
Units: 3
Prerequisites: PHYS 151 and (MATH C2210, MATH C2210E, or MATH C2210H).
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course covers the fundamental principles of engineering statics to help understand and analyze static forces on a variety of structures and engineering applications. Topics include forces, moments, analysis of trusses and beams, center of gravity, friction, and mass moments of inertia.

ENGR 230: Dynamics
Units: 3
Prerequisites: ENGR 130.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course covers the fundamental principles of engineering dynamics to help students understand and analyze the motion of bodies under the action of forces. Topics include kinematics, Newton's second law, and work-energy and momentum methods as they apply to both particles and rigid bodies.

English

The English discipline includes courses in composition, critical thinking, creative writing, and literature. Students take these courses to prepare for a major in English and/or to fulfill general education requirements. A bachelor's degree in English can lead to a career in law, education, journalism, mass media, marketing, public relations, communications, business, or the humanities.

Academic and Career Pathway

Languages, Communication, and Humanities (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/)

Contact Information

Chair: Jade Hidle
Dean: Lauren Halsted
https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/english/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/english/)

Department: Letters
Office: San Elijo, Building SAN1100, 760.795.6841

Full-Time Faculty

Daniel Ante-Contreras
Anthony Burman
Zulema Diaz
Maria Figueroa
Kelly Hagen
Jade Hidle
José Jara
John Kirwan
Luke Lambert
Curry Mitchell
Tyrone Nagai
Francisco Ortega
Dara Perales
JahB Prescott
Aaron Roberts
Violeta Sanchez
Jacob Strona
Jim Sullivan
Chad Tsuyuki

Associate Degrees

Associate in Arts Degree

English for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for an English degree, an emphasis or option within an English degree, or a degree considered similar to English at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation.

This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as an English major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 semester (90 quarter) CSU-transferable semester units.
- Complete all courses required in the major with a "C" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Achieve a minimum CSU transferable GPA of 2.0.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome

At the conclusion of this program, the student will be able to discern and assess the interconnectedness of literature and human experience, including the ways in which literature defines, shapes, and reflects a culture's values and mores; and write clearly, precisely, and appropriately for a wide range of purposes and audiences.

Course Requirements

Required Core: *		
ENGL C1003	Critical Thinking and Writing through Literature	4
or ENGL C1003H	Critical Thinking and Writing through Literature - Honors	
List A: Select two courses (6 units). *		6
LIT 250	American Literature: First Contact Through the Civil War	
LIT 251	American Literature: Mid-1800s to the Present	
LIT 260	English Literature Through the 18th Century	
LIT 261	English Literature: Romantic to Contemporary	
LIT 270	World Literature to 1600	
LIT 271	World Literature Since 1600	
List B: Select two courses (6 units). *		6
Any List A course not already used.		
ENGL 280	Creative Writing	
LIT 265	Shakespeare Studies	
List C: Select one course (3-4 units). *		3-4
Any List A or B course not already used.		
ENGL C1001	Critical Thinking and Writing	
or ENGL C1001	Critical Thinking and Writing (Honors)	
ENGL C1002	Introduction to Literature	
Total Units		**19-20**

* All courses listed, with the exception of ENGL 280, satisfy a general education requirement on the Cal-GETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Courses

ENGL C1000: Academic Reading and Writing
Units: 4
Prerequisites: Eligibility determined by the English placement process.
Enrollment Limitation: Not open to students with prior credit in ENGL 100, ENGL 100H, ENGL C1000, or ENGL C1000H.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students receive instruction in academic reading and writing, including writing processes, effective use of language, analytical thinking, and the foundations of academic research. By building upon student experiences and validating them as creators of knowledge, this course helps students develop critical reading, thinking, and writing strategies for a variety of situations. Students will engage with course content that is reflective of an inclusive and equitable curriculum and that supports the principles of a Hispanic Serving Institution designation. Formerly ENGL 100. C-ID ENGL-100.

ENGL C1001: Critical Thinking and Writing
Units: 4
Prerequisites: ENGL C1000.
Enrollment Limitation: Not open to students with prior credit in ENGL C1001H, ENGL 202, or ENGL 202H.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 Academic Reading and Writing (C-ID ENGL 100) or similar first-year college writing course. Content includes methods of analysis; principles of logic, including the relationship between language and logic; techniques of reasoning, including the use of evidence; techniques of style; and research skills. UC CREDIT LIMITATION: Credit for ENGL C1001, ENGL C1001H, ENGL C1001, or ENGL C1001H. Formerly ENGL 202. C-ID ENGL-105.

ENGL C1001H: Critical Thinking and Writing (Honors)
Units: 4
Prerequisites: ENGL C1000.
Enrollment Limitation: Not open to students with prior credit in ENGL C1001, ENGL 202, or ENGL 202H.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall

In this course, students receive instruction in critical thinking for purposes of constructing, evaluating, and composing arguments in a variety of rhetorical forms, using primarily non-fiction texts, refining writing skills and research strategies developed in ENGL C1000 Academic Reading and Writing (C-ID ENGL 100) or similar first-year college writing course. This is an honors course.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. Formerly ENGL 202H. UC CREDIT LIMITATION: Credit for ENGL C1001, ENGL C1001H, ENGL 202, or ENGL 202H. C-ID ENGL-105.

ENGL C1002: Introduction to Literature
Units: 3
Prerequisites: Successful completion of college-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent.
Enrollment Limitation: Not open to students with prior credit in LIT 120.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students are introduced to works by diverse authors and major literary genres, developing close reading and analytical writing skills. Students also develop appreciation for and critical understanding of the cultural, historical, and aesthetic qualities of literature. Students will learn to identify and examine fundamentals of literary elements, including but not limited to plot, character, symbolism, theme, voice, tone, and figurative language. Formerly LIT 120. C-ID ENGL-120.

ENGL C1003: Critical Thinking and Writing through Literature
Units: 4
Prerequisites: Successful completion of college-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent.
Enrollment Limitation: Not open to students with prior credit in ENGL 201, ENGL 201H, or ENGL C1003H.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students receive instruction in analytical, critical, and argumentative writing. Students develop critical thinking, close reading and literary analysis skills, research strategies, information literacy, and knowledge of accurate documentation through the study of diverse literary works from a variety of literary genres, developing an appreciation for literature. UC CREDIT LIMITATION: Credit for ENGL 201, ENGL 201H, ENGL C1003, ENGL C1003H. Formerly ENGL 201. C-ID ENGL-110.

ENGL C1003H: Critical Thinking and Writing through Literature - Honors
Units: 4
Prerequisites: Successful completion of college-level composition (ENGL C1000/ENGL C1000H/ENGL C1000E/C-ID ENGL 100) or equivalent.
Enrollment Limitation: Not open to students with prior credit in ENGL 201, ENGL 201H, or ENGL C1003.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Spring

In this course, students receive instruction in analytical, critical, and argumentative writing. Students develop critical thinking, close reading and literary analysis skills, research strategies, information literacy, and knowledge of accurate documentation through the study of diverse literary works from a variety of literary genres, developing an appreciation for literature. This is an honors course. UC CREDIT LIMITATION: Credit for ENGL 201, ENGL 201H, ENGL C1003 or ENGL C1003H. Formerly ENGL 201H. C-ID ENGL-110.

ENGL 52: College Composition Skills and Support
Units: 2
Prerequisites: None
Corequisite: ENGL C1000.
Enrollment Limitation: Not open to students with prior credit in ESL 150.
Lecture 2 hours.
Course Typically Offered: Fall, Spring

This course offers intensive practice in the skills needed to read college-level texts and compose college-level essays. It provides support in developing skills and strategies for success in transfer-level writing classes. Students enrolling in this course must also enroll in ENGL C1000.

ENGL 280: Creative Writing
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on the elements of creative writing, particularly through the study and creation of prose fiction and poetry. It offers practice in various genres and forms, based on instructor approach, and it promotes the writing process through a combination of drafting exercises and revision strategies. Utilizing workshops as the primary mode of instruction, this course offers the opportunity to produce creative works for publication, performance, and/or personal enrichment. C-ID ENGL-200.

ENGL 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

English as a Second Language

The English as a Second Language (ESL) discipline includes courses in academic writing, reading and vocabulary development, grammar, and speaking and listening skills. Credit ESL courses emphasize critical thinking and clear communication to prepare and support students in all college-level work.

The ESL 149 and ESL 150 composition courses are UC/CSU transferable and lead students directly to ENGL C1000, which also has specially designated sections for students from multilingual backgrounds. 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 successful communication in the workplace or community settings.

All Credit ESL courses are now available to take as Noncredit ESL classes which are free and repeatable. Please contact the department chair for more information and learn which option would best meet your needs.

Contact Information

Chair: Kristi Reyes
Dean: John Makevich
https://www.miracosta.edu/academics/degree-and-certificate-programs/esl/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/esl/)

Department: English as a Second Language
Office: Community Learning Center, 1831 Mission Avenue, Oceanside, CA 92058, 760.795.8710

Full-Time Faculty

Elizabeth Dinamarca Clarke
Monica Cueva
Ruth Gay
Mary Gross
Tricia Hoste
Kristi Reyes
Mariana Silva

Courses

ESL 20: Listening and Speaking Skills for Multilingual Students
Units: 3
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course emphasizes the development of listening and speaking skills for successful communication in 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 effectively participate in conversations, discussions, and other interpersonal communication exchanges in academic, work-related, and social contexts. Practical applications include participating in pair and small group discussions, recognizing unique pronunciation and intonation patterns, giving oral presentations, and developing academic note-taking abilities. Offered pass/no pass only.

ESL 30: Reading and Vocabulary Development for Multilingual Students
Units: 3
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course is designed for multilingual students who are making the transition to the use of academic English and who desire the development of reading and vocabulary skills needed for academic and workplace success. Students read a variety of texts and materials from culturally diverse traditions 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 Multilingual Students
Units: 3
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course is designed for students from multilingual backgrounds who are making the transition to the use of academic English and desire the development of grammatical skills for educational and workplace success. This course reviews basic English grammar to support students' communicative needs in speech and writing in both academic and social settings. Topics include parts of speech, clauses, verb forms and tenses, noun usage, mechanics, punctuation, and sentence types. Offered pass/no-pass only.

ESL 80: Advanced Grammar for Writing for Multilingual Students
Units: 3
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course is designed to provide comprehensive instruction and practice of the more complex elements of English grammar and usage in writing. By refining grammatical skills, students express complex ideas and craft engaging, structurally sophisticated sentences in English that meet their specified communicative needs. Completion of this course enhances student writing clarity and confidence in college courses, particularly ENGL C1000.

ESL 149: Introduction to Academic Writing for Students from Multilingual Backgrounds
Units: 4
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ACE 149.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is designed for students from diverse language backgrounds who are making a transition to the use of academic English and who desire the development of writing skills. Building on students' unique personal, linguistic, and cultural experiences, 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 academic writing. UC CREDIT LIMITATION: Credit for ESL 149 or ACE 149.

ESL 150: Introduction to College Composition for Students from Multilingual Backgrounds
Units: 4
Prerequisites: ESL 149, or eligibility determined by the English placement process.
Enrollment Limitation: Not open to students with prior credit in ACE 150 or ENGL 50.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course, designed for students from diverse language backgrounds, offers intensive practice in the writing process, critical reading, and critical thinking. It also provides practice in acquiring, synthesizing, and communicating information and in applying the principles and conventions of analytical writing. The course focuses on the development of analytical writing skills through the lens of the student's own heritage, cultural identity, and unique experiences. UC CREDIT LIMITATION: Credit for ESL 150 or ACE 150.

ESL 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Ethnic Studies

Ethnic studies is the interdisciplinary study of race and racism and focuses on the histories, experiences, cultures, and issues of underrepresented racial-ethnic groups in the United States. Ethnic studies, at its core, is defined by its attention to the systemic power relations that arise from institutional, cultural, and global productions of "race."

Ethnic studies also investigates how race/ethnicity intersects with class, gender, colonialism, imperialism, and sexuality in order to help students gain an understanding of historical movements for social transformation, resistance, and liberation.

Students take courses to prepare for an Ethnic Studies major or to fulfill general education requirements. Career options include teaching at the high school and college level, social work, non-profit work, human services, counseling, law enforcement, legal professions, and business.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: Olivia Quintanilla
Dean: Jonathan Fohrman
Department: Ethnic Studies
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Craig Perez
India Pierce
Olivia Quintanilla
Katherine Steelman

Courses

ETHN 100: Introduction to Ethnic Studies
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ETHN 100H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course provides a comparative and interdisciplinary exploration of historical connections among race, ethnicity, class, religion, sexuality, and gender inequality. It introduces significant theories, philosophies, concepts, issues, and social movements related to racial and social justice and liberation in the US. Students examine diverse perspectives on empowerment, identity, equity, self-determination, agency, and anti-racism within contemporary American society as well as the effects of institutional racism and marginalization on the African American, Native American, Asian American, and Latinx/Chicanx racial and ethnic groups. UC CREDIT LIMITATION: Credit for ETHN 100 or ETHN 100H.

ETHN 100H: Introduction to Ethnic Studies (Honors)
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ETHN 100.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course provides a comparative and interdisciplinary exploration of historical connections among race, ethnicity, class, religion, sexuality, and gender inequality. It introduces significant theories, philosophies, concepts, issues, and social movements related to racial and social justice and liberation in the US. Students examine diverse perspectives on empowerment, identity, equity, self-determination, agency, and anti-racism within contemporary American society as well as the effects of institutional racism and marginalization on the African American, Native American, Asian American, and Latinx/Chicanx racial and ethnic groups. As an honors course, this course will emphasize a higher degree of student participation and leadership in class discussions. Students will apply advanced Ethnic Studies research methods to the design of extensive, independent research-based projects. UC CREDIT LIMITATION: Credit for ETHN 100 or ETHN 100H.

ETHN 200: Introduction to Pacific Islander and Oceania Studies
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces the interdisciplinary field of Pacific Islands, Pacific Islander, and Oceania studies. Students examine historical and contemporary issues and experiences related to Asian American and Pacific Islander communities in the United States and across the Pacific diaspora. Students learn island and ocean geographies by studying maps and discussing the cartographic politics that formed the regions of Polynesia, Micronesia, and Melanesia. This course focuses on the experiences of Pacific Islanders from Hawai'i, Samoa, American Samoa, Fiji, Guam, Tonga, Palau, Marshall Islands, Tahiti, and New Zealand. This course examines colonial, postcolonial, and neocolonial histories of the region, history, politics, immigration, environment, decolonization, self-determination, resistance and social movements through Pacific Islander and Oceanic epistemologies. They explore the diverse cultures and identities of the Pacific, highlighting traditional knowledge, customs, arts (storytelling, weaving, tattooing), practices (canoe building, navigation, surfing), religion, and food. Formerly PACS 100.

ETHN 207: Race and Ethnic Relations
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 207 or SOCI 207.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, 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 introduces significant theories, issues, and social movements related to racial/ethnic justice, to understand the effects of institutional racism and marginalization on the African American, Native American, Asian American, Pacific Islander, and Latinx/Chicanx racial and ethnic groups. The course also examines the institutions and other factors involved in establishing, sustaining, and changing systems of racial and ethnic inequality and how they are connected to class, gender, sexuality, citizenship status, and other intersections. C-ID SOCI-150, SJS-110.

Film

Students take film courses to satisfy general education requirements in arts and humanities and to explore the discipline. Students who earn a bachelor's degree in film at a four-year university pursue careers as filmmakers, editors, digital media artists, film archivists, media educators, film festival curators, script analysts, cinematographers, television producers, and studio executives.

Academic and Career Pathway

Creative and Applied Arts (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/)

Contact Information

Chair: Phillip Boland
Dean: Jonathan Fohrman
https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/film/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/film/)

Department: Theatre, Dance & Film
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Phillip Boland
Billy Gunn

Associate Degrees

Associate in Science Degree

Film, Television, and Electronic Media for Transfer

The Associate in Science in Film, Television, and Electronic Media for Transfer (AS-T) degree is intended to meet the lower-division requirements for radio-television film, television-film, television, video, film, or electronic arts majors, an emphasis or option within such a major, or a major considered similar to these majors at a participating California State University (CSU) campus. This interdisciplinary program includes a balanced curriculum with coursework in both film production and theory.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation.

This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a film, television, and electronic media major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will be able to critically evaluate films from a social and cultural perspective, demonstrate knowledge of film theory, and apply appropriate production techniques.

Course Requirements

Required Core:

FILM 101	Introduction to Film *	3
or FILM 101H	Introduction to Film (Honors)	
FILM 105	Introduction to Screenwriting	3
List A:		6
Complete three units from Area 1 and three units from Area 2.		
Area 1: Audio (three units required)		
MTEC 125	Sound for Visual Media	
Area 2: Video or Film Production (three units required)		
MAT 160	Video 1: Production	
MAT 200	Video 2: Motion Graphics and Post-Production	
List B: Select one course.		3
FILM 111	Film History I: 1880-1948 *	
FILM 112	Film History II: 1948-Present *	
List C: Select a minimum of three units from courses not used above or from the following list.		3
FILM 106	Study of Cinematic Adaptation *	
FILM 211	Identity and Film: Race, Class, Gender and Sexuality *	
FILM 212	Women and Gender in Film *	

FILM 292	Internship Studies	
COMM 220	Introduction to Mass Communication *	
Total Units		**18**

* Course satisfies a general education requirement on the Cal-GETC 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.

Courses

FILM 101: Introduction to Film
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in FILM 101H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the art of film and the critical vocabulary of film studies through analysis of filmmaking techniques and the meanings they create. It explores film as a synthetic art form by examining the various individuals and elements involved in the production process. Feature, documentary, and genre films may be used to analyze artistic techniques, cultural impact, and socio-political implications. Film viewing is required both inside and outside of class. UC CREDIT LIMITATION: Credit for FILM 101 or FILM 101H.

FILM 101H: Introduction to Film (Honors)
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in FILM 101.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall even yrs, Spring odd yrs

This honors course offers students an enriched introduction to the art of film and the critical vocabulary of film studies. Students examine, research, and present content as they explore film as a synthetic art form. Feature, documentary, and genre films may be used to analyze artistic techniques, cultural impact, and socio-political implications. Film viewing is required both inside and outside of class. UC CREDIT LIMITATION: Credit for FILM 101 or FILM 101H.

FILM 105: Introduction to Screenwriting
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to scriptwriting for film and episodic television, including script format, story structure, character development, tension, conflict, and themes. Students workshop their original ideas to develop a completed short screenplay. This writing course builds upon existing knowledge of film art and skills in English composition to create effective screenplays.

FILM 106: Study of Cinematic Adaptation
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course explores cinematic adaptations of literature. It uses various adaptation theories to critically examine how literary styles are translated into the language of film. Students engage in structural, character, and thematic analysis through class discussion and writing assignments.

FILM 111: Film History I: 1880-1948
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in FILM 111H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course traces the history of motion pictures from 1880 to 1948 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: 1948-Present
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in FILM 112H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course traces the history of motion pictures from 1948 to the present through a critical examination of the technical, aesthetic, social, political, and economic factors that have an impact on production, distribution, and exhibition of film. It explores the cinema of the post-WWII era, through major international movements of the 1950s and 1960s, to the development of the new Hollywood of the 1970s, concluding with the globalization and digitalization of film culture in the twenty-first century.

FILM 211: Identity and Film: Race, Class, Gender and Sexuality
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in FILM 211H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course explores the impact of identity on film as an art form and cultural artifact by confronting ideologies of race, class, gender, and sexual orientation as they are reflected in cinematic representation. The course uses American film 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 Gender in Film
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in FILM 212H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course explores the dynamic portrayal of gender in film by examining the ways men and women interact and work in tandem to create conflict and collaboration both on screen and within the film industry. Topics include Feminist film theory, the depiction of masculinity and femininity, and the contributions of women film artists. Students analyze films throughout film history and across genres to evaluate patterns of representation and the cultural, social, and political impact of women in film.

FILM 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

French

The International Languages Department offers French courses that build strong communication skills, cultural understanding, and real-world language use. French study enhances speaking, listening, reading, and writing abilities while fostering intercultural awareness. It also strengthens applications to competitive programs in fields where multilingual communication is vital, such as healthcare, education, social services, international relations, and law enforcement. A degree or Certificate of Achievement in French supports careers in education, healthcare, international business, diplomacy, media, community outreach, and translation and interpretation.

French courses fulfill general education humanities requirements under the Cal-GETC transfer pathway and support UC-bound students, where proficiency in a Language Other Than English (LOTE) is a graduation requirement. There are UC and CSU majors that also require additional language study. Students can often meet these requirements at the community college level, saving time, tuition, and units. All French language courses at MiraCosta are Zero Textbook Cost (ZTC). French 121 (Introduction to French Culture) is Low Textbook Cost (LTC).

Note: Students educated in a non-English speaking country through high school or equivalent will generally not earn lower-division transfer credit in their language at most universities. Students who might be affected by this rule should consult a counselor and/or the International Languages department chair before enrolling in their courses.

Academic and Career Pathway

Languages, Communication, and Humanities (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/)

Contact Information

Chair: Lilia Vidal
Dean: Jonathan Fohrman
https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/french/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/french/)

Department: International Languages
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Cristina Toharia

Associate Degrees

Associate in Arts Degree

French

The French program offers lower-division preparation for students who plan on transferring to pursue a bachelor's degree in French. Students planning to transfer and/or earn this associate degree may also need to complete additional requirements or electives required by the transfer institution, as many CSUs and UCs have unique admissions and preparation-for-the-major requirements. Students should meet with a MiraCosta College counselor to identify required courses and to develop a written plan for their targeted university.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 73)).
- Obtain a minimum GPA of 2.0.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will be able to effectively communicate in the French language, demonstrating an understanding of cultural differences as related to personal and cultural topics as well as social issues.

Course Requirements

Required courses:		
FREN 101	Elementary French (First Semester) *	4
FREN 102	Elementary French (Second Semester)	4
FREN 201	Intermediate French (Third Semester)	4
FREN 202	Intermediate French (Fourth Semester)	4
List A. Select one course (3-4 units):		3-4
Students placing out of FREN 101, FREN 102, FREN 201, or FREN 202 by departmental approval, prerequisite satisfaction, or Advanced Placement scores shall use additional courses from List A to earn a total of 18 semester units in the major (Title 5, section 55063).		
ARTH C1200	Survey of Art from the Renaissance to Contemporary	
COMM 215	Intercultural Communication	
FREN 121	Introduction to French Culture	
ITAL 101	Elementary Italian (First Semester)	
ITAL 102	Elementary Italian (Second Semester)	
SPAN 101	Elementary Spanish (First Semester)	
SPAN 102	Elementary Spanish (Second Semester)	
Total Units		**19-20**

* Students who have completed two years of high school French or who demonstrate proficiency do not need to enroll in FREN 101 and can start with FREN 102. Units awarded for AP exams will be based on the minimum semester admission units for all California State University (CSU) campuses as determined by the CSU and referenced in the AP chart (p. 37).

Certificate of Achievement

French

This certificate provides students with a solid introduction to French language skills and to important features of French and Francophone culture. Completion of the certificate benefits students who are interested in learning about and effectively interacting with French culture and society. Students take the required language courses in the given sequence.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to do the following:

- Communicate in the French language at the Intermediate High level of ACTFL (American Council on the Teaching of Foreign Languages).
- Demonstrate awareness and appreciation of cultural differences of within French speaking communities.

Course Requirements

Required courses:		
FREN 101	Elementary French (First Semester)	4
FREN 102	Elementary French (Second Semester)	4
FREN 201	Intermediate French (Third Semester)	4
FREN 202	Intermediate French (Fourth Semester)	4
Total Units		**16**

NOTE: *Students placing out of a course by prerequisite satisfaction should consult with the department to substitute another course for completion of the certificate.*

Courses

FREN 101: Elementary French (First Semester)
Units: 4
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in FREN 102, FREN 201, or FREN 202.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

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 worlds history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the first two years of high school French.

FREN 102: Elementary French (Second Semester)
Units: 4
Prerequisites: FREN 101 or two years of high school French with a "C" or better.
Enrollment Limitation: Not open to students with prior credit in FREN 201 or FREN 202.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This course continues to develop French language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in FREN 101, and it develops the students ability to engage in casual conversation, express opinions, and make suggestions in French. The course also provides for increased awareness of the francophone worlds history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the third year of high school French.

FREN 121: Introduction to French Culture
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Summer

This course introduces students of French to various aspects of French and Francophone culture and civilization. Areas of study include history, music, literature, philosophy, political ideas, customs, and France's influence in the Americas, Africa, and Asia. The course examines the present and future of the Francophone world in general and does not require prior study of the French language or culture.

FREN 201: Intermediate French (Third Semester)
Units: 4
Prerequisites: FREN 102 or three years of high school French with a "C" or better.
Enrollment Limitation: Not open to students with prior credit in FREN 202.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This course continues to develop French language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in FREN 101 and 102, and it develops the students ability to engage in casual conversation, express opinions, and make suggestions in French. The course also provides for increased awareness of the French-speaking worlds history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the fourth year of high school French.

FREN 202: Intermediate French (Fourth Semester)
Units: 4
Prerequisites: FREN 201 or four years of high school French with a "C" or better.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring

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 students ability to express opinions and make recommendations in French-language debates and discussions. The course provides for increased awareness of the French-speaking worlds 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: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Geography

Geography is the study of the earth, including the distribution and interconnectedness of all natural and cultural phenomena, and how places are particular expressions of nature and culture. Students take courses to prepare for a major in geography or to fulfill general education requirements.

With a bachelor's degree, students find career options in teaching and research, natural resource management, meteorology (weather), cartography (map-making), urban/regional planning, location analysis, and geographic information system (GIS) work.

Academic and Career Pathway

Math and Sciences (https://miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: Erika Peters(Physical Sciences)
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/geography/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/geography/)

Department: Physical Science
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Taya Lazootin

Associate Degrees

Associate in Arts Degree

Geography for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a geography degree, an emphasis or option within a geography degree, or a degree considered similar to geography 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 geography major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete 60 semester CSU-transferable units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will be able to employ spatial reasoning to ascertain, analyze, and compare spatial patterns.

Course Requirements

Required courses:		
GEOG 101 & 101L	Earth's Dynamic Environment: Introduction to Physical Geography and Earth's Dynamic Environment: Introduction to Physical Geography Lab *	4
GEOG 102	People, Place, and Time: Introduction to Human Geography *	3
List A: Two courses (7 units).		7
GEOG 104	World Geography *	
GEOG 155	Introduction to Geographic Information Systems and Techniques with Lab	
List B: Select two courses (6-8 units).		6-8
GEOG 108	Environmental Sustainability and Society *	
BTEC 180	Biostatistics *	
or BUS 204	Business Statistics	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
or STAT C1000	Introduction to Statistics	
or STAT C1000E	Introduction to Statistics (Embedded Support)	
or STAT C1000H	Introduction to Statistics (Honors)	
Total Units		**20-22**

* Course satisfies a general education requirement on the Cal-GETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the statistics courses listed are GE courses.

Courses

GEOG 101: Earth's Dynamic Environment: Introduction to Physical Geography
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course provides a spatial study of the Earth's dynamic physical systems and processes. Topics include Earth-sun geometry, weather, climate, water, landforms, soil, and the biosphere. The course emphasizes the interrelationships among environmental and human systems and processes and their resulting patterns and distributions.

GEOG 101L: Earth's Dynamic Environment: Introduction to Physical Geography Lab
Units: 1
Prerequisites: GEOG 101.
Enrollment Limitation: Concurrent enrollment in GEOG 101 if prerequisite not met.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is intended to accompany GEOG 101. It emphasizes map reading and the collection, presentation, and interpretation of physical geographic data. C-ID GEOG-111.

GEOG 102: People, Place, and Time: Introduction to Human Geography
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course takes a broad view of geographic patterns of human behavior, including the development, distribution, ecological relationships, and landscapes of cultural features and processes, at scales ranging from local to global. Topics include population dynamics, economic activity, politics, language, religion, folk and popular culture, ethnicity, and urban settlement. C-ID GEOG-120.

GEOG 104: World Geography
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This global survey course examines the distinguishing features of major culture regions and the interrelationships among culture regions set in the context of physical and human geography. Principal areas of focus include economic development, geopolitics, ecological relationships, socio-cultural issues, and globalization. C-ID GEOG-125.

GEOG 108: Environmental Sustainability and Society
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, 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. Field trips are included in this course.

GEOG 155: Introduction to Geographic Information Systems and Techniques with Lab
Units: 4
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides an introduction to the fundamentals of geospatial technology, including geographic information systems (GIS), Global Positioning Systems (GPS), cartography, remote sensing, and spatial analysis, through a series of hands-on computer-based exercises and on-site field exercises. Participants learn how to utilize geospatial technology to address social and environmental issues. Course content is based upon the US Department of Labor's Geospatial Technology Competency Model for entry-level geospatial occupations, including geospatial or GIS technicians and technologists.

GEOG 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

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.

A bachelor's degree in geology affords students career options within private corporations (such as petroleum, mining, engineering, hydrology, and environmental consulting companies), government agencies (such as the U. S. Geological Survey, the California Department of Conservation, and regional planning offices), and education.

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Contact Information

Chair: Erika Peters(Physical Sciences)
Dean: Michael Fino
https://miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/geology/index.html (https://miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/geology/)

Department: Physical Sciences
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Marina Argueta
Roberto Falero
Eric Snortum

Courses

GEOL 101: Physical Geology
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in GEOL 101H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

Physical geology introduces the processes at work changing the earth today. Within the context of global tectonics, it explores the origins of rocks and minerals and the dynamics of processes, such as igneous activity, seismicity, and crustal deformation, driven by the release of Earth's internal heat. It also examines how air, water, and ice move in response to gravity and energy from the sun, sculpting Earth's surface by eroding, transporting, and depositing weathered rock materials. C-ID GEOL-100.

GEOL 101L: Physical Geology Laboratory
Units: 1
Prerequisites: GEOL 101.
Enrollment Limitation: Concurrent enrollment in GEOL 101 if prerequisite not met. Not open to students with prior credit in GEOL 101LH.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course, which is intended to accompany GEOL 101, 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. C-ID GEOL-100L.

GEOL 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

German

The International Languages Department offers German courses that build strong communication skills, cultural understanding, and real-world language use. German study enhances speaking, listening, reading, and writing abilities while fostering intercultural awareness. It also strengthens applications to competitive programs in fields where multilingual communication is vital, such as healthcare, education, social services, international relations, and law enforcement. German language proficiency supports careers in education, healthcare, international business, diplomacy, media, community outreach, and translation and interpretation.

German courses fulfill general education humanities requirements under the Cal-GETC transfer pathway and support UC-bound students, where proficiency in a Language Other Than English (LOTE) is a graduation requirement. There are UC and CSU majors that also require additional language study. Students can often meet these requirements at the community college level, saving time, tuition, and units. All German courses at MiraCosta are Zero Textbook Cost (ZTC).

Note: Students educated in a non-English speaking country through high school or equivalent will generally not earn lower-division transfer credit in their language at most universities. Students who might be affected by this rule should consult a counselor and/or the International Languages department chair before enrolling in their language courses.

Academic and Career Pathway

Languages, Communication, and Humanities (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/)

Contact Information

Chair: Lilia Vidal
Dean: Jonathan Fohrman
https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/german/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/german/)

Department: International Languages
Office: Building OC2700, 760.795.6844

Courses

GRMN 101: Elementary German (First Semester)
Units: 4
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in GRMN 102, or GRMN 201.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This introductory course develops German language acquisition through listening, speaking, reading, and writing. It covers basic German pronunciation, vocabulary, and grammar. It also explores the history, geography, and customs of the German-speaking countries. This course corresponds to the first two years of high school German.

GRMN 102: Elementary German (Second Semester)
Units: 4
Prerequisites: GRMN 101 or two years of high school German with a "C" or better.
Enrollment Limitation: Not open to students with prior credit in GRMN 201.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring

This course continues to develop German language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in GRMN 101, and it develops the students ability to engage in casual conversation, express opinions, and make suggestions in German. The course also provides for increased awareness of the German-speaking worlds history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the third year of high school German.

GRMN 121: Introduction to German Culture
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

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 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Gerontology

Gerontology is a multidisciplinary study of the human aging process. It examines the physiological, psychological, and social aspects of aging as well as how an aging population affects contemporary society.

Professionals work for community and human service organizations; retirement communities; federal, state, and local government agencies; educational and research institutions; and related organizations that work either directly or indirectly with aging adults.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: Steve Eso
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/gerontology/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/gerontology/)

Department: Psychology
Office: Building OC4800, 760.757.2121 x6924

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.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 73)).
- Obtain a minimum GPA of 2.0.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome

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.

Course Requirements

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/SOCI 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 C1004	Interpersonal Communication	
PSYC C1000	Introduction to Psychology	
or PSYC C1000H	Introduction to Psychology (Honors)	
PSYC/SOCI 103	Social Psychology	
PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
Total Units		**18**

Certificates

Certificate of Proficiency

Optimal Aging and Older Adulthood

This program provides a multidisciplinary study of the theories and factors related to optimal aging and improved functioning in older adulthood. The certificate emphasizes optimal aging, starting with young adulthood and continuing through older adulthood, in recognition that cognitive, social, and biological factors influence a person's longevity, healthcare requirements, and quality of life.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
GERO 101	Introduction to Aging	3
Required Electives:		
Part A (Choose one course):		3
KINE 210	Exercise Programs 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	
Total Units		**12**

Courses

GERO 101: Introduction to Aging
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces the interdisciplinary field of gerontology and the study of aging, with an emphasis on biology/physiology, psychology, and sociology. It emphasizes the impact of increased life expectancy and aging on individuals, families, and health-care providers and systems. Topics include factors linked to gender, race, ethnicity, and cultural diversity as well as changes and challenges for social and public services, public policy, and the politics of aging. Gerontology is a growing field with practical applications in health care, fitness and wellness, social work, and social services.

GERO 130: Caregiving: Techniques for Working with the Frail Elderly
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring odd years

This course provides practical and theoretical information on age-related physical and cognitive changes and how to work with the elderly who are frail due to advanced age and/or chronic illness. It explores cultural diversity and its affect on caregiving, health consequences of caregiving, and available community resources. This course is specifically designed for students interested in working in the field of aging or those who are caregivers for family members.

GERO 250: Intergenerational Issues
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course examines interpersonal relations between older adults and other age groups in the United States. It explores policies and related programs that impact intergenerational relationships and care-giving interactions. It highlights societal, cultural perspectives and issues and real-world outcomes.

GERO 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Health Education

The Health Education program offers courses for students planning to transfer in a variety of health-related fields as well as for students needing to fulfill general education requirements.

Career opportunities include teaching; health care administration; federal, state, and local health care agency work (such as for the County Health Department, Cal OSHA, and the Environmental Protection Agency); and health care and education in the private sector.

Academic and Career Pathway

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

Contact Information

Chair: Robert Fulbright
Dean: Danielle Lauria
https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/health-education/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/health-education/)

Department: Kinesiology, Health and Nutrition
Office: Building OC5100, 760.757.2121 x6466

Full-Time Faculty

Robert Fulbright
Casey McFarland
Gail Meinhold

Associate Degrees

Associate in Science Degree

Public Health for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a public health degree, an emphasis or option within a public health degree, or a degree considered similar to public health at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a public health major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses required in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable GPA of 2.0.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to relate and apply the key theories and concepts of public health to advanced academic study.

Course Requirements

Required courses:		
HEAL 101	Principles of Health	3
HEAL 180	Introduction to Public Health	3
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab) *	4
or BIO 111 & 111L	Introductory Biology: Preparation for Pre-Health Professions (Lecture) and Introductory Biology: Preparation for Pre-Health Professions (Lab)	
BTEC 180	Biostatistics *	3-5
or BUS 204	Business Statistics	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
or STAT C1000	Introduction to Statistics	
or STAT C1000E	Introduction to Statistics (Embedded Support)	
or STAT C1000H	Introduction to Statistics (Honors)	
List A: Select one course (4-5 units).		4-5
BIO 210	Human Anatomy	
BIO 220	Human Physiology *	
BIO 230	Introduction to Microbiology *	
CHEM 150	General Chemistry I: For Science Majors *	
List B: Select one course (3 units).		3
NUTR 100	Nutrition Today	
PSYC C1000	Introduction to Psychology *	
or PSYC C1000H	Introduction to Psychology (Honors)	
SOCI C1000	Introduction to Sociology	
or SOCI C1000H	Introduction to Sociology - Honors	
List C: Select one course (3 units).		3
ANTH 120	Global Health *	
HEAL 205	Integrative Health and Wellness	
HEAL 222	Stress Management	
Total Units		**23-26**

* Course and its "or" counterpart(s) satisfy a general education requirement on the Cal-GETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement.

Note:

Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Courses

HEAL 101: Principles of Health
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course focuses on the exploration of major health issues and behaviors in the various dimensions of health. It emphasizes individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include exercise, weight control, nutrition, mental health, stress management, violence, substance abuse, reproductive health, human sexuality, disease prevention, aging, and environmental hazards and safety. C-ID PHS-100.

HEAL 108: Meditation
Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to the practice of meditation to reduce stress and enhance wellness. Students learn a variety of meditation styles, breathing techniques, relaxation practices, and cognitive tools for practicing mindfulness. Topics include the health benefits of meditation, the history of meditation, and tools to adopt a regular practice of meditation.

HEAL 180: Introduction to Public Health
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces the public health discipline and the factors that influence health and disease from a population-based perspective. It provides an overview of public health profession functions and institutions as well as an in-depth examination of the core public health disciplines. Topics include the epidemiology of infectious and chronic diseases; prevention and control of diseases; social determinants of health; illness and health disparities among various populations; community organizing and health promotion programming; environmental health and safety; global health; healthcare policy; and career opportunities in public health. C-ID PHS-101.

HEAL 200: First Aid and Safety
Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1 hour.
Course Typically Offered: Fall, Spring

This course acquaints the individual with emergency first aid procedures. It teaches the knowledge and skills needed to give immediate care to an injured or ill person and to decide whether advanced medical care is needed. Topics include musculoskeletal injuries, controlling external bleeding, burns, breathing emergencies, diabetic emergencies, seizures, fainting, epilepsy, stroke, and environmental emergencies. Students who successfully pass all first aid requirements have the opportunity to become certified in first aid by the American Red Cross (valid for 2 years).

HEAL 201: CPR and AED
Units: 1
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1 hour.
Course Typically Offered: Fall, Spring

This course prepares students to perform high-quality cardiopulmonary resuscitation (CPR) skills consistent with the American Heart Association (AHA) Basic Life Support (BLS) course. The AHA BLS course is designed for healthcare professionals and other personnel who need to know how to perform CPR and other basic cardiovascular life support skills in a wide variety of in-facility and prehospital settings.The AHA BLS course trains participants to promptly recognize several life-threatening emergencies, give high-quality chest compressions, deliver appropriate ventilations, and provide early use of an automated external defibrillator (AED). Students who successfully pass all CPR/AED requirements have the opportunity to receive an AHA BLS Provider course completion card (valid for 2 years).

HEAL 205: Integrative Health and Wellness
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course examines health, disease, healing, and medicine from a theoretical, psychological, sociological, biological, historical, and cultural perspective. It examines concepts and philosophies from traditional cultural healing systems and contemporary Western medicine from interdisciplinary perspectives. Topics include the history of Western medical practices; principles of Indigenous healing systems; the role of gender in healing; the effects of personality and emotions on health and disease; mind-body sciences; integrative medicine/nutrition; botanicals/herbal medicine and aromatherapy/essential oils; energy therapies, manual healing, and yoga; and future expectations of integrative health. All topics are informed by science and follow the scientific method. Students develop a preliminary portfolio in a selected area of integrative health and wellness.

HEAL 222: Stress Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to the concepts of stress management and prevention. It emphasizes the analysis of stressful events, application of appropriate techniques, and development and implementation of a stress reduction/prevention plan. Topics include the physiology of the stress response, adaptive and maladaptive behaviors, stress-prevention strategies, stress-reduction techniques, and how to implement a self-care stress-reduction plan. C-ID PH-107.

HEAL 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

HEAL 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

History

The study of history is the endeavor to understand the present by becoming knowledgeable about the past. This knowledge is crucial to the development of an informed citizenry, which is an essential component of California State University's American Institutions and Ideals requirement. As the context of all human activity, history gives students the depth needed to understand society and their place in it.

Students may take courses to prepare for a major in history or to fulfill general education requirements. A bachelor's degree in history can lead to a career in business administration, law, teaching, social services, journalism, finance, law enforcement, public relations, advertising, or government service.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: Robert Bond
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/history/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/history/)

Department: History
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Robert Bond
Lesley Doig
Israel Pastrana
Christopher Sleeper

Associate Degrees

Associate in Arts Degree

History for Transfer

Students completing this associate degree will have completed lower-division major preparation for a history degree, an emphasis or option within a history degree, or a degree considered similar to history at a California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a history major and to determine which CSU campuses are participating in this program.

Graduation R equirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to do the following:

- Construct a historical thesis that could be supported by selected primary sources from the era covered by the course.
- Articulate the causal and/or consequential elements of an event from the era covered by the course.

Course Requirements

Required Core: 6 units

HIST C1001	United States History to 1877	3
or HIST C1001H	United States History to 1877 - Honors	
HIST C1002	United States History since 1865	3
or HIST C1002H	United States History since 1865 - Honors	
List A: Select Group 1 or Group 2 (6 units).		6

It is recommended that you select courses that meet lower-division major preparation requirements at your intended transfer university.

Group 1	
HIST 100	World History to 1500
or HIST 100H	World History to 1500 (Honors)

HIST 101	World History Since 1500	
or HIST 101H	World History Since 1500 (Honors)	
Group 2		
HIST 103	Early European History and Culture	
HIST 104	Modern European History and Culture	
List B: Select one course from each area (6 units).		6
Area 1: 3 units.		
Any history course not used above.		
HIST 102	History of the Modern Middle East	
HIST 107	East Asian Societies	
HIST 115	Women in American History	
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	
Area 2: 3 units.		
Any history course not used above.		
HIST 113	American Military History	
HIST 116	History of the Americas to 1830	
HIST 117	History of the Americas Since 1830	
HIST 150	History of Mexico	
HIST 165	California History	
Total Units		**18**

NOTE: All courses listed above are included on the Cal-GETC pattern. Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Courses

HIST C1001: United States History to 1877
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 110, HIST 110H, or HIST C1001H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is a historical survey of the United States, from Indigenous North America to the end of Reconstruction. The course also introduces students to historical reasoning skills. It emphasizes political, economic, social, and cultural developments. Formerly HIST 110. C-ID HIST-130.

HIST C1001H: United States History to 1877 - Honors
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 110, HIST 110H, HIST C1001.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is a historical survey of the United States, from Indigenous North America to the end of Reconstruction. The course also introduces students to historical reasoning skills. This is an honors course. It emphasizes political, economic, social, and cultural developments. Formerly HIST 110H. C-ID HIST-130.

HIST C1002: United States History since 1865
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 111H, HIST 111, or, HIST C1002H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is a historical survey of the United States from the end of the Civil War to the present. The course also introduces students to historical reasoning skills. It emphasizes political, economic, social, and cultural developments. Formerly HIST 111. C-ID HIST-140.

HIST C1002H: United States History since 1865 - Honors
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 111H, HIST 111, or, HIST C1002.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is a historical survey of the United States from the end of the Civil War to the present. The course also introduces students to historical reasoning skills. This is an honors course. It emphasizes political, economic, social, and cultural developments. Formerly HIST 111H. C-ID HIST-140.

HIST 100: World History to 1500
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 100H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course traces the historical development of the world to 1500. It emphasizes the interaction between the environment and people, the development of religious and philosophical systems, and the internal evolution and interaction within and among cultures. Students experience a variety of learning techniques designed to promote greater cross-cultural understanding. UC CREDIT LIMITATION: Credit for HIST 100 or HIST 100H. C-ID HIST-150.

HIST 100H: World History to 1500 (Honors)
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 100.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall even years

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 students through challenging course work, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for HIST 100 or HIST 100H. C-ID HIST-150.

HIST 101: World History Since 1500
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 101H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course traces the historical development of the world since 1500. It emphasizes the relationship between technology and society, the development of rationalism and imperialism, and the movement toward independent nationhood and global interdependence. UC CREDIT LIMITATION: Credit for HIST 101 or HIST 101H. C-ID HIST-160.

HIST 101H: World History Since 1500 (Honors)
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 101.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring odd years

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 students through challenging course work, emphasis on the use of sources as evidence, and the development of analytical historical theses. UC CREDIT LIMITATION: Credit for HIST 101 or HIST 101H. C-ID HIST-160.

HIST 102: History of the Modern Middle East
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 102H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course surveys of modern Middle Eastern history from Napoleon's invasion of Egypt in 1798 until the present time. Topics include the Ottoman Empire, World War One and the making of the modern Middle East, the Arab/Palestinian-Israeli conflict, Islamist movements, the Iranian Revolution, the U.S. in the Middle East, and the Arab uprisings in the early twenty-first century. The course emphasizes giving students the necessary historical background to understand current events in the Middle East.

HIST 103: Early European History and Culture
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 103H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers the history of Western civilization from earliest times to 1648 with an emphasis on Western culture and humanities. It explores social, economic, political, and artistic trends as well as the history of gender, sexuality, and ideas during the ancient and medieval eras. C-ID HIST-170.

HIST 104: Modern European History and Culture
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 104H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers the history of Western civilization from 1648 to contemporary times with an emphasis on Western culture and humanities. It explores social, economic, political, intellectual, and artistic trends as well as the history of gender, sexuality, and culture during the early modern, modern, and contemporary eras. C-ID HIST-180.

HIST 107: East Asian Societies
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course surveys East Asian history from its earliest origins to the present. It examines the social, political, and economic foundations of China, Japan, and Korea and their connection to other countries in the region using historical, religious, and literary documents.

HIST 113: American Military History
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 113H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course surveys American military history from the colonial period to the present. It emphasizes the institutional, technological, social, political, and cultural contexts in times of peace and conflict. The course reviews all major American conflicts and emphasizes the military's influence upon foreign policy, domestic affairs, and diplomacy.

HIST 115: Women in American History
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 115H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, 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 the similarities and differences based on class, race, and ethnic identities.

HIST 116: History of the Americas to 1830
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 116H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course surveys the histories of the American continent as an integrated whole. It examines major pre-Columbian Indian cultures, Native American heritage, European exploration, conquest, and colonization, and the growth of independence movements. It also studies the diverse cultures, societies, economies, political structures, and constitutions of Latin America, Canada, and the United States from a comparative perspective.

HIST 117: History of the Americas Since 1830
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 117H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course presents an integrated history of American nations in the modern period. It emphasizes the American histories of the 19th, 20th and early 21st centuries including Latin American wars of independence, U.S. foreign policy with Latin America, Canada's relations with the Western hemisphere, Latin American society in the 20th century, and the impact of globalization on the American continent.

HIST 141: Mexican American History Through 1877
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 141H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course emphasizes a Chicano/a, Latino/a perspective as it examines Mexican American history through the Mexican-American War and the late nineteenth century. It focuses on major political, social, economic, and cultural factors and explores the roles played by the diverse peoples and cultures who shared in the development of US history. The course emphasizes the contributions of ancient Indians and civilizations and the influences of Spanish institutions and cultures.

HIST 142: Mexican American History Since 1877
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 142H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This history of the United States from Reconstruction to the present emphasizes the Chicano/a, Latino/a experience. It explores the economic, social, cultural, and political developments and impacts on diverse peoples of the US with an emphasis on the Mexican American experience.

HIST 145: African American History to 1877
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 145H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course covers the historical development of the role of African Americans in US history from colonial origins through Reconstruction. It emphasizes the Black experience within political, social, economic, and cultural frameworks.

HIST 146: African American History Since 1877
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HIST 146H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

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.

HIST 150: History of Mexico
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall

This course surveys Mexican history from ancient civilizations to the present. It emphasizes social, political, and cultural developments in Mexican history and highlights the racial and ethnic diversity of Mexico's peoples.

HIST 165: California History
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring even years

This course addresses the social, economic, political, and cultural history of California. It begins with an overview of the indigenous, Native American populations and continues through the Spanish, Mexican, and American eras.

HIST 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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.

Horticulture

Horticulture examines the art and science of cultivating plants. The Horticulture program at MiraCosta also includes sustainable design, installation and maintenance of landscapes, and nursery and organic crop production.

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, and grove and vineyard management.

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Contact Information

Chair: Abigail Ferrieri
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/horticulture/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/horticulture/)

Department: Horticulture
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Abigail Ferrieri
Juan Solomon

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. 73)). 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

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.

Course Requirements

Required courses:		
DESN 101	Computer-Aided Design and Drafting	4
DESN 102	Architectural Drawing	3
HORT 117	Plant Identification: Trees, Shrubs, and Vines	3
HORT 126	Irrigation and Water Management	3
HORT 127	Landscape Design	3
HORT 128	Landscape Construction	3
HORT 220	Computer-Aided Landscape Design Applications	3
HORT 230	Landscape Architecture	3
Select one course from the following electives:		1-3
DESN 103	Architectural Communications	
DESN 200	Architectural Design I	
HORT 115	Soil Science	
HORT 118	Arboriculture	
HORT 292	Internship Studies	
or HORT 299	Occupational Work Experience Education	
Total Units		**26-28**

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

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.

Course Requirements

Required courses:		
HORT 115	Soil Science	3
HORT 116	Plant Science	4
HORT 117	Plant Identification: Trees, Shrubs, and Vines	3
HORT 122	Horticulture Laws and Regulations	2
HORT 126	Irrigation and Water Management	3
HORT 134	Integrated Pest Management	3
HORT 140	Subtropical Fruit and Plant Production	3
HORT 144	Nursery Management and Production	3
HORT 292	Internship Studies	1
or HORT 299	Occupational Work Experience Education	
Total Units		**25**

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

Upon completion of this program, students will be able to identify the pests that are threatening a crop, assess the level of potential damage, and prepare a written management plan that considers the impact to the crop, beneficial insects, humans, and the environment.

Course Requirements

Required Core Courses (21 units):		
HORT 115	Soil Science	3
HORT 116	Plant Science	4
HORT 121	Sustainable Landscape and Turf Management	3
HORT 122	Horticulture Laws and Regulations	2
HORT 126	Irrigation and Water Management	3
HORT 134	Integrated Pest Management	3
HORT 166	Introduction to Sustainable Agriculture	3
List A: Physical and Biological Sciences		8
Choose a minimum of 8 units from the following courses:		
BIO 102	Introductory Biology: Ecology and Environmental Biology	
BIO 103	Introductory Biology: Animal Diversity	
BIO 104	Introductory Biology: Botany (Plant Life)	
BIO 107	Introductory Biology: Marine Biology	
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)	
BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	
or BIO 111L	Introductory Biology: Preparation for Pre-Health Professions (Lab)	
List B: Crop Health, Pest Management, and Production Systems		12

Select a minimum of 12 units from the following courses:	
HORT 140	Subtropical Fruit and Plant Production
HORT 149	Vineyard Production and Management
HORT 162	Organic Crop Production
HORT 292	Internship Studies *
HORT 299	Occupational Work Experience Education *
Total Units	**41**

* 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

Upon completion of this program, students will be able to develop a comprehensive plan for sustainable agriculture production on a given site, including practices, farm plan, ecological evaluation, and community viability.

Course Requirements

Required courses:		
HORT 115	Soil Science	3
HORT 116	Plant Science	4
HORT 122	Horticulture Laws and Regulations	2
HORT 126	Irrigation and Water Management	3
HORT 134	Integrated Pest Management	3
HORT 140	Subtropical Fruit and Plant Production	3
HORT 162	Organic Crop Production	3
HORT 166	Introduction to Sustainable Agriculture	3
HORT 292	Internship Studies	1
or HORT 299	Occupational Work Experience Education	
Total Units		**25**

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

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.

Course Requirements

Required courses:		
HORT 115	Soil Science	3
HORT 116	Plant Science	4
HORT 117	Plant Identification: Trees, Shrubs, and Vines	3
HORT 121	Sustainable Landscape and Turf Management	3
HORT 122	Horticulture Laws and Regulations	2
HORT 126	Irrigation and Water Management	3
HORT 127	Landscape Design	3
HORT 128	Landscape Construction	3
HORT 134	Integrated Pest Management	3
HORT 292	Internship Studies	1
or HORT 299	Occupational Work Experience Education	
Total Units		**28**

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

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.

Course Requirements

Required courses:		
HORT 115	Soil Science	3
HORT 116	Plant Science	4
HORT 122	Horticulture Laws and Regulations	2
HORT 126	Irrigation and Water Management	3
HORT 134	Integrated Pest Management	3
HORT 147	Wines of California	1.5
HORT 149	Vineyard Production and Management	3
HORT 150	Winery Operations and Management	3
HORT 292	Internship Studies	1
or HORT 299	Occupational Work Experience Education	
Total Units		**23.5**

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

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.

Course Requirements

Required courses:		
DESN 101	Computer-Aided Design and Drafting	4
HORT 121	Sustainable Landscape and Turf Management	3
HORT 126	Irrigation and Water Management	3
HORT 128	Landscape Construction	3
Total Units		**13**

Courses

HORT 115: Soil Science
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course examines the physical, chemical, and biological properties of soil and covers soil conditions that restrict plant growth. Students learn to solve soil problems that may exist in the field, greenhouse, and landscape with a focus on sustainable practices. The course emphasizes problem-solving techniques that apply to Southern California soils, including fertility, salinity, pH, high calcium, specific toxicities, and physical problems. Students are required to participate in field labs and trips. C-ID AG-PS-128L.

HORT 116: Plant Science
Units: 4
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This introductory course offers students an opportunity to learn the basic principles of plant science pertaining to food and ornamental plants. The course emphasizes plant morphology, anatomy and function, plant physiology, reproduction, biotic and abiotic environmental factors that impact plant growth and development, plant-soil-climate interrelationships, plant taxonomy and nomenclature, and plant diversity and adaptations. Learning activities include plant studies in the field, greenhouse, and landscape. Students are required to attend field labs and field trips. C-ID AG-PS-104, AG-PS-106L.

HORT 117: Plant Identification: Trees, Shrubs, and Vines
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course covers the identification, growth habits, culture, and ornamental use of plants found in Southern California landscapes. Topics include botanical and common names, plant family relationships, drought tolerance, and other environmental adaptations. Students learn to identify by sight memory more than 200 plants from professional certification test and local plant lists. Students are required to attend field trips both on and off campus. C-ID AG-EH-108L, AG-EH-112L.

HORT 118: Arboriculture
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall

This course introduces the care and management of landscape trees in urban settings. It covers soil, water, and nutrient management, integrated pest management, and tree biology. Topics include tree selection, protection, fertilization, pruning basics, urban forest management, safety, and risk management. This course prepares students for the International Society of Arboriculture (ISA) Certification exam and provides ISA Continuing Education Units (CEUs). C-ID AG-EH 130 000X.

HORT 121: Sustainable Landscape and Turf Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course introduces landscape ecosystems and emphasizes sustainable management practices of turfgrass, trees, and landscape plantings. Students learn best management practices, including soil preparation, nutrient management, irrigation, mowing, pruning and growth control, integrated pest management, and fire safety. Students practice basic skills needed for successful maintenance of landscaped areas in accordance with sustainable and ecological principles. Participation in field trips and field labs is required.

HORT 122: Horticulture Laws and Regulations
Units: 2
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours.
Course Typically Offered: Summer

This course covers the laws and regulations that apply to the agriculture and horticulture industries, including possible legal issues for nursery owners, landscape managers, farmers, and others engaged in crop production and landscape planning. Topics include U.S., California, and local agencies and ordinances governing contracts, environmental and natural resource issues, agricultural employees, and pesticide regulations. This course prepares students to pass the Laws and Regulations section of the California Department of Pesticide Regulations licensing exams and others.

HORT 126: Irrigation and Water Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course introduces the design, installation, and maintenance of water-efficient irrigation systems. Topics include water supply, basic hydraulics, climate, soil and plant characteristics, component identification and terminology, auditing, scheduling, pipe sizing, layout, electrical components, and water conservation practices appropriate for southern California. Participation in field exercises, field trips, and other lab activities is required. C-ID AG-EH 144X.

HORT 127: Landscape Design
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course introduces the principles and practices of landscape design. Topics include the principles and process of design, drafting, hand drawn graphics, and presentation methods. Projects emphasize residential and small commercial sites. Students are required to attend field trips.

HORT 128: Landscape Construction
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course introduces the fundamentals of landscape construction. Topics include soil preparation, paving and construction materials, hand and power tool use, turf and plant installation, plan reading, estimating, and bid preparation. The course also covers local codes, state requirements, and new technologies. It prepares students to pass the C-27 Landscaping Contractor's License exam. Students are required to participate in lab activities and attend field trips. C-ID AG-EH 132X.

HORT 134: Integrated Pest Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course examines the common pests that invade ornamental plantings and nursery crops in Southern California, including weeds, invertebrate pests, and plant diseases. Students learn to diagnose pest problems and design solutions to these problems based upon an integration of approved pest management techniques and practices including cultural, biological, mechanical/physical, and chemical control methods. This course is designed to assist students in preparing for California licensing exams in pest management or to earn continuing education hours to maintain their license. C-ID AG-EH 120X.

HORT 140: Subtropical Fruit and Plant Production
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course examines the principles and practices involved in subtropical fruit and plant production, such as citrus and avocados, and other emerging crops. Topics include propagation, site selection, planting, fertilization, irrigation, and pest control. The course also covers harvest techniques, marketing, and industry economic trends. Field trips to local orchards and groves are required.

HORT 144: Nursery Management and Production
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course analyzes the operation and management of plant nursery facilities and personnel, including cultural practices, scheduling of nursery crops, marketing, and legal and environmental issues. Students examine the relationships of light, temperature, moisture, humidity, and fertility as well as their impact on plant production. Topics include pruning, transplanting, propagation, and pest control methods. Students are required to attend field trips to local nurseries.

HORT 147: Wines of California
Units: 1.5
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1.50 hours.
Course Typically Offered: 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 149: Vineyard Production and Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course covers responsibilities of vineyard management. Topics include climate zones, soil selection, financing, farm organization, irrigation systems, field layout, varietal selection, nutritional needs, harvesting, labor management, marketing, and budgeting. Students are required to attend field trips to local vineyards.

HORT 150: Winery Operations and Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall even years

This introductory level course on starting and managing a winery business covers permits, annual plans and budgets, marketing, tasting room operations, and legal compliance. Students are required to attend field trips.

HORT 162: Organic Crop Production
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HORT 163 or HORT 164.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces the principles and practices of organic crop production. 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, harvesting, farm management, and crop marketing and sales. Students are required to attend in-person field trips.

HORT 166: Introduction to Sustainable Agriculture
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course introduces sustainable agriculture and agro-ecological theory from a multi-disciplinary scientific perspective. It will focus on the application of sustainability concepts to growth and production of edible, ornamental, and specialty crops in the temperate southern California climate. Diverse agricultural systems and practices and their relative sustainability are analyzed for suitability to site and environment. Topics include the history and evolution of agriculture as well as historical, conventional, and alternative farming systems with a focus on modern applications and present day environmental concerns.

HORT 220: Computer-Aided Landscape Design Applications
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

This course introduces the application of computer-based design software packages, including image manipulation, modeling, multimedia, and drafting combined with hand graphics for the development of landscape plans, perspectives, elevation drawings, and presentation graphics.

HORT 230: Landscape Architecture
Units: 3
Prerequisites: HORT 127.
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This project-based class offers continued study in the field of landscape architectural design. It emphasizes site analysis, sensory evaluation, sustainable design principles, cost considerations, rendering, site details, model building, and oral presentation. Students work both individually and in groups on projects at the urban and community scale, and they are required to attend field trips.

HORT 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

HORT 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Hospitality

The Hospitality Management program offers courses for students planning to transfer as hospitality majors to four-year institutions as well as career and technical courses that can lead to certificates of proficiency and achievement.

Career options include event planning, travel and tourism, front office, reservations, sales, marketing, customer service, and management positions in hotels, restaurants, cruise lines, airlines, theme parks, attractions, clubs, and casinos.

Academic and Career Pathway

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

Contact Information

Chair: Suganya Sankaranarayanan
Dean: Annie Ngo
https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/hospitality/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/business-and-technology/hospitality/)

Department: Business
Office: Building OC3600, 760.795.6807

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. 73)). Students should meet with a MiraCosta counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Associate in Science Degree

Hospitality Management for Transfer

This program provides students with the broad technical background required in today's increasingly diverse hospitality industry. The Associate in Science in Hospitality Management for Transfer prepares students for success in a baccalaureate degree program at a participating California State University (CSU) campus. Students learn about the hospitality management industry, and once they earn a bachelor's degree they can expect to find entry-level management employment in the restaurant, lodging, food service, recreation, gaming, or tourism industries.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation.

This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a hospitality management major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will be able to demonstrate skills and strategies to succeed in global hospitality industry organizations.

Course Requirements

Required courses:		
HOSP 100	Introduction to Hospitality Management	3
List A: Select 3 courses (9 units).		9
ECON C2001	Principles of Microeconomics *	
HOSP 114	Hospitality Law	
HOSP 133	Introduction to Hotel Management	
HOSP 150	Hospitality Cost Control	
HOSP 153	Introduction to Food and Beverage Management	
List B: Select 2 courses (6-9 units).		6-9
Any course from List A not already used.		
ACCT 201	Financial Accounting	
BUS 140	Legal Environment of Business	
BTEC 180	Biostatistics *	

or BUS 204	Business Statistics	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
or STAT C1000	Introduction to Statistics	
or STAT C1000E	Introduction to Statistics (Embedded Support)	
or STAT C1000H	Introduction to Statistics (Honors)	
Total Units		**18-21**

* Course satisfies a general education requirement on the Cal-GETC pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: All of the statistics courses listed are also GE courses.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Certificates

Certificate of Achievement

Hospitality Management

This certificate provides students with the broad technical background required in today's increasingly diverse hospitality industry. It was developed with input from professional industry members who comprise the MiraCosta College Hospitality Management Advisory Board as well as the cooperation of local hospitality executives and members. Courses in this program complement the skills learned on the job and are valuable to either the person who is seeking a certificate/degree or the individual who is already in the field and desires to increase their overall effectiveness in a particular area.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to do the following:

- Identify specific job titles within the hospitality, food service, and tourism industries and describe the responsibilities of the positions as well as the outlook for future job growth.
- Research, compare, and prepare written documents reviewing a specific legal procedure used in hotels/motels or restaurants.
- Develop an operational strategy for a restaurant.

Course Requirements

Required courses:		
BUS 117	Human Resources Management	3
BUS 132	Marketing	3
HOSP 100	Introduction to Hospitality Management	3
HOSP 114	Hospitality Law	3
HOSP 150	Hospitality Cost Control	3
Select at least 6 units from the following:		6
HOSP 130	Conference and Special Event Management	
HOSP 133	Introduction to Hotel Management	
HOSP 153	Introduction to Food and Beverage Management	
Total Units		**21**

Certificate of Achievement

Restaurant Management

The Restaurant Management Certificate of Achievement provides students with the broad technical background necessary in today's increasingly diverse food services industry. Requirements for the certificate were developed with input from professional industry members who comprise the MiraCosta College Hospitality Management Advisory Board as well as with cooperation from local restaurant and food services executives. Courses for this certificate complement the skills learned on the job and are valuable to either the person seeking a certificate/degree or the individuals already employed in the field and seeking to increase their overall effectiveness with new skills qualifying them for promotions.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to do the following:

- Research a specific human resource responsibility for the hospitality industry and interview a hospitality management professional about the research findings.
- Create a marketing plan for a product/service in hospitality marketing.
- Develop an operational strategy for a restaurant.

Course Requirements

Required courses:		
BUS 117	Human Resources Management	3
BUS 130	Entrepreneurship and Small Business Management	3
BUS 132	Marketing	3
HOSP 100	Introduction to Hospitality Management	3
HOSP 114	Hospitality Law	3
or HOSP 130	Conference and Special Event Management	
HOSP 150	Hospitality Cost Control	3
HOSP 153	Introduction to Food and Beverage Management	3
Total Units		**21**

Certificate of Proficiency

Food, Beverage, and Restaurant

This certificate program is designed to prepare students with the specific technical and supervisory job skills employers demand for entry-level management positions.

Program Student Learning Outcome

Upon completion of this program, a student will be able to develop an operational plan for a restaurant.

Course Requirements

Required courses:		
BUS 130	Entrepreneurship and Small Business Management	3
or HOSP 130	Conference and Special Event Management	
HOSP 100	Introduction to Hospitality Management	3
HOSP 150	Hospitality Cost Control	3
HOSP 153	Introduction to Food and Beverage Management	3
Total Units		**12**

Certificate of Proficiency

Guest Services and Concierge

This certificate prepares students for entry-level work in the hospitality industry with a focus on guest services. The courses in this certificate also apply to the Hospitality Management Certificate of Achievement.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
BUS 117	Human Resources Management	3
or BUS 136	Human Relations in Business	
BUS 131	Management Principles	3
HOSP 100	Introduction to Hospitality Management	3
HOSP 133	Introduction to Hotel Management	3
Total Units		**12**

Certificate of Proficiency

Meeting, Convention and Event Management

Students gain the skills and knowledge needed for planning and managing successful meetings, conferences, trade shows, weddings, and other special events.

Program Student Learning Outcome

Upon completion of the program, the student will be able to develop a written portfolio to create a "mock event" as specified.

Course Requirements

Required courses:		
BUS 117	Human Resources Management	3
or BUS 130	Entrepreneurship and Small Business Management	
or BUS 136	Human Relations in Business	
BUS 132	Marketing	3
BUS 133	Project Management	3
HOSP 114	Hospitality Law	3
HOSP 130	Conference and Special Event Management	3
Total Units		**15**

Courses

HOSP 100: Introduction to Hospitality Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course provides an overview of the structure and financial performances of the hospitality industry, including food and lodging, resorts, tourism enterprises, attractions, and related operations. It emphasizes orientation to customer service, cultural/economic trends, and career opportunities. Students may be required to visit various hospitality sites. C-ID HOSP-100

HOSP 114: Hospitality Law
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course covers the legal principles that apply to the hospitality industry, including possible legal issues for hotel and restaurant operators as well as rights and responsibilities of hospitality establishments. Topics include how U.S. laws and regulations affecting the lodging industry have increased and how hoteliers and restaurant operators can avoid lawsuits. This course allows students to gain Hospitality Law certification from the Educational Institute of the American Hotel and Lodging Association. C-ID HOSP-150.

HOSP 130: Conference and Special Event Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course introduces students to the field of conference and special event management. Students examine the different types of conferences and special events and the types of organizations that stage those events. The course also covers the role of the planner, including setting objectives, program design, budgeting, site selection, negotiations, contracts, speaker selection, registration, on-site logistics, transportation, and security and legal issues.

HOSP 133: Introduction to Hotel Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course introduces students to the operating system and components of a hotel-resort facility. Topics include front office, housekeeping, food and beverage, sales and marketing, accounting, property maintenance, human/resource management, and information systems. C-ID HOSP-140.

HOSP 150: Hospitality Cost Control
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall

This course introduces students to the analysis and management of food, beverage, labor, and other costs within a hospitality operation. It emphasizes problem solving and applying cost-control techniques to maximize profits while managing expenses. Topics include establishing standards, cost-volume-profit-analysis, forecasting, purchasing and storage controls, menu costing and pricing, theft prevention, and labor control. C-ID HOSP-120.

HOSP 153: Introduction to Food and Beverage Management
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course explores management techniques and procedures as they relate to commercial and institutional food and beverage facilities. Topics include functions of management, food and beverage marketing, menu development, nutrition and food service operations, cost controls and pricing strategies, and labor and service techniques. C-ID HOSP-130.

HOSP 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

HOSP 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Humanities

Humanities courses trace the intersections of disciplines such as philosophy, literature, history, and the arts and the constructions of cultures and identities. Students in humanities courses learn to contextualize the ideas and theories of these disciplines within cultural dynamics, such as race, class, gender, sexual identity, and the quest for social justice.

Students who pursue bachelor's degrees in the humanities seek to enrich their lives and the lives of others with empathy and a nuanced sensitivity to a wide range of cultural perspectives. Potential career paths include lawyer, community organizer, nurturing parent, public servant, teacher, social worker, medical doctor, artist, and effective citizen of the world.

Academic and Career Pathway

Languages, Communication, and Humanities (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/)

Contact Information

Chair: Jade Hidle
Dean: Lauren Halsted
https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/humanities/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/humanities/)

Department: Letters
Office: San Elijo, Building SAN1100, 760.795.6841

Full-Time Faculty

Daniel Ante-Contreras
Maria Figueroa
John Kirwan
Violeta Sanchez
Jim Sullivan

Courses

HUMN 101: Introduction to the Arts
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in HUMN 101H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to interdisciplinary humanities. The course explores at least six humanities subjects, such as cinema, dance, music and opera, architecture, theater, literature, painting and other two-dimensional art, and sculpture. An entr e to cultural literacy, this course studies both genres and examples of the arts to better understand various art forms, the cultures, eras, and styles which they exemplify, and essential elements of our individual humanness, including creativity and a sense of the aesthetic.

HUMN 202: Humanities of the Western World: The Renaissance to the Twentieth Century
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This interdisciplinary course surveys major works, figures, styles, concepts, and techniques in the liberal and fine arts of the Western world. It draws from the Renaissance, baroque era, neoclassicism, romanticism, Industrial Age, modernism, and postmodernism. Students study examples of creative genius in such fields as art, literature, music, philosophy, history, theater, and architecture to better understand the heritage of Western civilization, the cultures of multiple peoples, and ways that the past and its arts are relevant to themselves and contemporary life.

HUMN 205: Women in Western Art and Literature
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This interdisciplinary course surveys and examines the art and literature of Western civilization form an intersectional feminist lens, with an emphasis on the construction of gender and the framework of historiography throughout the centuries.

HUMN 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Interdisciplinary Studies

Contact Information

Department: Interdisciplinary Studies
Office: Building OC12, 760.795.6637

Certificate

Certificate of Achievement

Global Studies

The certificate focuses on three main competencies: International Awareness, Area Studies, and Global Communication. This multi- and interdisciplinary certificate increases knowledge and understanding of the processes of globalization and their impacts on societies, cultures, and environments around the world. It provides students with a knowledge of critical issues that affect their lives and community as well as the affairs of other cultures, societies, and nations.

An understanding of the world's social, political, economic, and natural systems and their increasing interdependence, along with an appreciation of the diversity of human culture, supplies students with a strong background for working in a global economy, for living in a multicultural society, and for making intelligent decisions as global citizens.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to do the following:

- Recognize the interconnectedness of local, national, and global issues.
- Summarize the uniqueness of the region studied.
- Apply communication skills when operating in a culture other than their own.

Course Requirements

International Awareness (minimum of 4 courses from different subjects):		12
ANTH 102	Cultural Anthropology	
ANTH 120	Global Health	
ARTH 158	Indigenous Arts of Africa, Oceania, and the Americas	
BUS 160	International Business	
DNCE 105	Dance Cultures of the World	
GEOG 102	People, Place, and Time: Introduction to Human Geography	
GEOG 104	World Geography	
HIST 100	World History to 1500	
or HIST 100H	World History to 1500 (Honors)	
HIST 101	World History Since 1500	
or HIST 101H	World History Since 1500 (Honors)	
LIT 271	World Literature Since 1600	
MUS 116	A Survey of World Music	
NUTR 108	Cultural Aspects of Foods and Nutrition	
POLS 150	Introduction to International Relations	
RELG 101	World Religions	
or RELG 101H	World Religions (Honors)	
Area Studies (minimum of 1 course):		3
ARTH C1200	Survey of Art from the Renaissance to Contemporary	
DESN 107	History of Western Architecture-A Sustainable Perspective	
FREN 121	Introduction to French Culture	
GRMN 121	Introduction to German Culture	
HIST 102	History of the Modern Middle East	
HIST 104	Modern European History and Culture	
HIST 107	East Asian Societies	
HIST 117	History of the Americas Since 1830	
HIST 150	History of Mexico	
ITAL 121	Introduction to Italian Culture	
JAPN 121	Introduction to Japanese Culture	
JAPN 123	Japanese Anime and Manga	
MUS 113	The Music of America	
RELG 105	Eastern Religions	
SPAN 121	Introduction to Hispanic Cultures	
Global Communication (minimum of 1 course):		3-4
COMM 215	Intercultural Communication	
FREN 101	Elementary French (First Semester)	
FREN 102	Elementary French (Second Semester)	
FREN 201	Intermediate French (Third Semester)	
FREN 202	Intermediate French (Fourth Semester)	
GRMN 101	Elementary German (First Semester)	
GRMN 102	Elementary German (Second Semester)	
ITAL 101	Elementary Italian (First Semester)	
ITAL 102	Elementary Italian (Second Semester)	
ITAL 201	Intermediate Italian (Third Semester)	
ITAL 202	Intermediate Italian (Fourth Semester)	
JAPN 101	Elementary Japanese (First Semester)	
JAPN 102	Elementary Japanese (Second Semester)	
JAPN 201	Intermediate Japanese (Third Semester)	
JAPN 202	Intermediate Japanese (Fourth Semester)	
JAPN 210	Intermediate Conversation I and Reading	
JAPN 211	Intermediate Conversation II and Writing	
SPAN 101	Elementary Spanish (First Semester)	
SPAN 102	Elementary Spanish (Second Semester)	
SPAN 201	Intermediate Spanish (Third Semester)	
SPAN 202	Intermediate Spanish (Fourth Semester)	
SPAN 221	Spanish for Native Speakers	
SPAN 222	Spanish for Native Speakers II	
Total Units		**18-19**

Italian

The International Languages Department offers Italian courses that build strong communication skills, cultural understanding, and real-world language use. Italian study enhances speaking, listening, reading, and writing abilities while fostering intercultural awareness. It also strengthens applications to competitive programs in fields where multilingual communication is vital, such as healthcare, education, social services, international relations, and law enforcement. A degree or Certificate of Achievement in Italian supports careers in education, healthcare, international business, diplomacy, media, community outreach, and translation and interpretation.

Italian courses fulfill general education humanities requirements under the Cal-GETC transfer pathway and support UC-bound students, where proficiency in a Language Other Than English

(LOTE) is a graduation requirement. There are UC and CSU majors that also require additional language study. Students can often meet these requirements at the community college level, saving time, tuition, and units. All Italian courses at MiraCosta are expected to be Zero Textbook Cost (ZTC) as of fall 2025.

Note: Students educated in a non-English speaking country through high school or equivalent will generally not earn lower-division transfer credit in their language at most universities. Students who might be affected by this rule should consult a counselor and/or the International Languages department chair before enrolling in their language courses.

Academic and Career Pathway

Languages, Communication, and Humanities (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/)

Contact Information

Chair: Lilia Vidal
Dean: Jonathan Fohrman
https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/italian/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/italian/)

Department: International Languages
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Andrea Petri

Associate Degree

Associate in Arts Degree

Italian

The Italian program offers lower-division preparation for students who plan on transferring to pursue a bachelor's degree in Italian. Students planning to transfer and/or earn this associate degree may also need to complete additional requirements or electives required by the transfer institution, as many CSUs and UCs have unique admissions and preparation-for-the-major requirements. Students should meet with a MiraCosta College counselor to identify required courses and to develop a written plan for their targeted university.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 73)).
- Obtain a minimum GPA of 2.0.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to do the following:

- Engage in meaningful conversations about social issues, cultural productions, and cultural aspects covered in the first two years of Italian courses, demonstrating command of the first two years' vocabularies, structure, and pronunciation in the target language and comprehending native speaker speech.
- Read and comprehend a passage about social issues, cultural productions or cultural aspects covered in the first two years of Italian courses from a real Italian contemporary source.
- Write a cohesive, analytical/critical essay about social issues, cultural productions or cultural aspects covered in class, comparing and contrasting them to other cultures and demonstrating command of the first two years vocabulary and structures in the target language.

Course Requirements

Required courses:		
ITAL 102	Elementary Italian (Second Semester)	4
ITAL 121	Introduction to Italian Culture	3
ITAL 201	Intermediate Italian (Third Semester)	4
ITAL 202	Intermediate Italian (Fourth Semester)	4
Select at least one course from the following:		3-4
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	
ARTH C1200	Survey of Art from the Renaissance to Contemporary	
HIST 103	Early European History and Culture	
HIST 104	Modern European History and Culture	
ITAL 101	Elementary Italian (First Semester)	
Total Units		**18-19**

Certificate of Achievement

Italian Language and Culture

This certificate provides students with a solid introduction to Italian language skills and culture. Completion of the certificate benefits students who are interested in learning about and effectively interacting with Italian culture and society. Students take the required language courses in the given sequence and choose an elective.

Program Student Learning Outcomes

Upon successful completion of this program, students will be able to do the following:

- Communicate in the Italian language at the Intermediate High level of ACTFL (American Council on the Teaching of Foreign Languages).

- Demonstrate awareness and appreciation of cultural differences within Italian speaking communities.

Course Requirements

Required courses:		
ITAL 101	Elementary Italian (First Semester)	4
ITAL 102	Elementary Italian (Second Semester)	4
ITAL 201	Intermediate Italian (Third Semester)	4
ITAL 121	Introduction to Italian Culture	3
Select one elective course:		3-4
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	
ARTH C1200	Survey of Art from the Renaissance to Contemporary	
FILM 112	Film History II: 1948-Present	
HIST 103	Early European History and Culture	
HIST 104	Modern European History and Culture	
ITAL 202	Intermediate Italian (Fourth Semester)	
Total Units		**18-19**

NOTE*: Students who have successfully challenged ITAL 101 as a prerequisite may be allowed to substitute another course from the elective list with departmental approval.*

Courses

ITAL 101: Elementary Italian (First Semester)
Units: 4
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ITAL 102, ITAL 201, or ITAL 202.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This introductory course develops 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.
Enrollment Limitation: Not open to students with prior credit in ITAL 201 or ITAL 202.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This course continues to develop Italian language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in ITAL 101, and it develops the 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.
Course Typically Offered: Fall, Spring, Summer (odd yrs)

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

ITAL 201: Intermediate Italian (Third Semester)
Units: 4
Prerequisites: ITAL 102, or three years of high school Italian with a "C" or better.
Enrollment Limitation: Not open to students with prior credit in ITAL 202.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring even years

This course continues to develop Italian language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in ITAL 101 and ITAL 102, and it develops the student's ability to engage in casual conversation, express opinions, and make suggestions in Italian. The course also provides for increased awareness of the Italian history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the fourth year of high school Italian.

ITAL 202: Intermediate Italian (Fourth Semester)
Units: 4
Prerequisites: ITAL 201 or four years of high school Italian with a "C" or better.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring odd years

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 students ability to express opinions and make recommendations in Italian-language debates and discussions. The course provides for increased awareness of the Italian-speaking worlds history, geography, and customs, including its socio-political practices and cultural artifacts through extensive reading and writing assignments as well as oral presentations.

ITAL 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring

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 work/intern at a new site upon each enrollment.

Japanese

The International Languages Department offers Japanese courses that build strong communication skills, cultural understanding, and real-world language use. Japanese study enhances speaking, listening, reading, and writing abilities while fostering intercultural awareness. It also strengthens applications to competitive programs in fields where multilingual communication is vital, such as healthcare, education, social services, international relations, and law enforcement. A degree or Certificate of Achievement in Japanese supports careers in education, healthcare, international business, diplomacy, media, community outreach, and translation and interpretation.

Japanese courses fulfill general education humanities requirements under the Cal-GETC transfer pathway and support UC-bound students, where proficiency in a Language Other Than English (LOTE) is a graduation requirement. There are UC and CSU majors that also require additional language study. Students can often meet these requirements at the community college level, saving time, tuition, and units. All Japanese courses at MiraCosta are Low Textbook Cost (LTC) or Zero Textbook Cost (ZTC).

Note: Students educated in a non-English speaking country through high school or equivalent will generally not earn lower-division transfer credit in their language at most universities. Students who might be affected by this rule should consult a counselor and/or the International Languages department chair before enrolling in their language courses.

Academic and Career Pathway

Languages, Communication, and Humanities (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/)

Contact Information

Chair: Lilia Vidal
Dean: Jonathan Fohrman
https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/japanese/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/japanese/)

Department: International Languages
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Emiko Kiyochi

Associate Degree

Associate in Arts Degree

Japanese

The Japanese program offers lower-division preparation for students who plan on transferring to pursue a bachelor's degree in Japanese. Students planning to transfer and/or earn this associate degree may also need to complete additional requirements or electives required by the transfer institution, as many CSUs and UCs have unique admissions and preparation-for-the-major requirements. Students should meet with a MiraCosta College counselor to identify required courses and to develop a written plan for their targeted university.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees).
- Obtain a minimum GPA of 2.0.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcomes

Upon successful completion of this program, students will be able to do the following:

- Communicate in the Japanese language at the Intermediate Mid level of ACTFL (American Council on the Teaching of Foreign Languages) and N4 level of JLPT (Japanese Language Proficiency Test).
- Demonstrate awareness and appreciation of cultural differences of Japanese speaking communities in comparison to their own culture and the dominant culture of the United States.

Course Requirements

Required courses:		
JAPN 101	Elementary Japanese (First Semester)	4
JAPN 102	Elementary Japanese (Second Semester)	4
JAPN 201	Intermediate Japanese (Third Semester)	4
JAPN 202	Intermediate Japanese (Fourth Semester)	4
Select three (3) units from the following courses.		3
JAPN 121	Introduction to Japanese Culture	
JAPN 123	Japanese Anime and Manga	
JAPN 210	Intermediate Conversation I and Reading	
JAPN 211	Intermediate Conversation II and Writing	
Total Units		**19**

Certificates

Certificate of Achievement

Japanese

This certificate benefits students who are interested in learning about and effectively interacting with Japanese culture and society. Completion of the certificate provides students with a solid introduction to Japanese language skills and culture. Students take the required language courses in the given sequence and choose an elective to emphasize either conversational skills in Japanese or advanced cultural competency in English.

Program Student Learning Outcomes

Upon successful completion of this program, students will be able to do the following:

- Communicate in the Japanese language at the Intermediate Mid level of ACTFL (American Council on the Teaching of Foreign Languages) and N4 level of JLPT (Japanese Language Proficiency Test).
- Demonstrate awareness and appreciation of cultural differences of Japanese speaking communities in comparison to their own culture and the dominant culture of the United States.

Course Requirements

Required courses:		
JAPN 101	Elementary Japanese (First Semester)	4
JAPN 102	Elementary Japanese (Second Semester)	4
JAPN 201	Intermediate Japanese (Third Semester)	4
JAPN 202	Intermediate Japanese (Fourth Semester)	4
Select one of the following courses:		3
JAPN 121	Introduction to Japanese Culture	
JAPN 123	Japanese Anime and Manga	
JAPN 210	Intermediate Conversation I and Reading	
JAPN 211	Intermediate Conversation II and Writing	
Total Units		**19**

Courses

JAPN 101: Elementary Japanese (First Semester)
Units: 4
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in JAPN 101H, JAPN 102, JAPN 201, or JAPN 202.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces contemporary Japanese and the Japanese writing system (hiragana, katakana, and selected kanji characters). It examines the languages structure and emphasizes the development of language acquisition through listening, speaking, reading, and writing. Students learn about Japanese history, geography, and customs as well as about the relationship between language and culture. This course corresponds to the first two years of high school Japanese.

JAPN 102: Elementary Japanese (Second Semester)
Units: 4
Prerequisites: JAPN 101 or two years of high school Japanese with a "C" or better.
Enrollment Limitation: Not open to students with prior credit in JAPN 201 or JAPN 202.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This second course in the Japanese language sequence continues to promote Japanese language acquisition through listening, speaking, reading, and writing at the novice-high level. The prerequisite first-semester level skills are practiced for fluency and improvement in communication success, and integrated into the introduction of more advanced grammar, vocabulary and kanji characters. 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.
Course Typically Offered: Spring, 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 123: Japanese Anime and Manga
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in JAPN 123H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course introduces students to anime and manga (Japanese cartoons and comics) and explore various aspects of Japanese culture and society through the lens of anime and manga. Areas of study include history, music, literature, technology, customs, traditions and their interrelationship with the cultures and societies of America and the world. The course does not require prior study of the language or culture.

JAPN 201: Intermediate Japanese (Third Semester)
Units: 4
Prerequisites: JAPN 102 or three years of high school Japanese with a "C" or better.
Enrollment Limitation: Not open to students with prior credit in JAPN 202.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall

This third course in the Japanese language sequence continues to promote Japanese language acquisition through listening, speaking, reading, and writing at the intermediate-low level. The prerequisite first-year level Japanese language skills are practiced for fluency and improvement in communication success, and integrated into the introduction of more advanced grammar, vocabulary and kanji characters. The course also continues to develop the student's ability to read, interpret, and discuss Japanese-language narratives about newly introduced cultural aspects of the Japanese-speaking world. This course corresponds to the fourth year of high school Japanese.

JAPN 202: Intermediate Japanese (Fourth Semester)
Units: 4
Prerequisites: JAPN 201 or four years of high school Japanese with a "C" or better.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring

This fourth semester course in the Japanese language sequence continues to develop Japanese language acquisition through listening, speaking, reading, and writing at the intermediate-mid 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.
Enrollment Limitation: Not open to students with prior credit in JAPN 211.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
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 Japanese. It emphasizes practical topics, fundamental and expanded vocabulary, and commonly used idioms. Students learn to employ Japanese in general discussions of assigned topics and simple dialogues. The course also reviews communicative functions.

JAPN 211: Intermediate Conversation II and Writing
Units: 3
Prerequisites: JAPN 210.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This continuation of JAPN 210 is intended for students who want to further enhance their skills in Japanese. The course stresses oral and written communication through cultural materials in order to improve and expand the student's conversational skills in Japanese. It emphasizes practical topics, fundamental and expanded vocabulary, and commonly used idioms. Students learn to employ Japanese in general discussions of a variety of culturally relevant topics and dialogues. The course also reviews and practices communicative functions.

JAPN 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Kinesiology

Kinesiology is the study of human anatomy, physiology, and the mechanics of body movement. Students take courses to prepare for entry-level positions in health and fitness clubs, wellness centers, and individualized personal training as well as for university transfer.

Career options include personal trainer, exercise instructor, and various positions at fitness and recreational centers or in school or recreational programs. With a bachelor's degree in kinesiology, students can apply to physical therapy programs or pursue careers in athletic training, fitness, nutrition, physical education, or other health-related fields.

Academic and Career Pathway

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

Contact Information

Chair: Robert Fulbright
Dean: Danielle Lauria
https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/kinesiology/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/kinesiology/)

Department: Kinesiology, Health and Nutrition
Office: Building OC5100, 760.757.2121 x6466

Full-Time Faculty

Robert Fulbright
Casey McFarland

Associate Degree

Students interested in the field of kinesiology can earn an Associate in Arts in Liberal Arts: Health Sciences (p. 264).

Certificates

Certificate of Achievement

Yoga Instructor (300 Hours)

The Yoga Instructor 300-hour certificate prepares students to become a 500-hour certified yoga teacher. This comprehensive and wisdom-based program uses anatomy and physiology as well as English and Sanskrit terminology to provide students with both a broad background and practical experience in the essential elements of yoga. Completion of the program prepares students for employment in health clubs, spas, yoga studios, hospitals, and the health industry as well as for self-employment as yoga instructors.

Program Student Learning Outcome

Upon completion of this program, a student will be able to demonstrate intelligent and safe sequences and themes for a wide population.

Course Requirements

Required courses:		
KINE 149	Yoga Teacher Training Integration	3
KINE 154	Intermediate Yoga	1
KINE 159	Yoga Teacher Training Implementation	3
HEAL 205	Integrative Health and Wellness	3
Elective Courses: Select a minimum of two units from below.		2-3
HEAL 108	Meditation	
HEAL 222	Stress Management	
KINE 155	Advanced Yoga	
KINE 292	Internship Studies	
or KINE 299	Occupational Work Experience Education	
Total Units		**12-13**

Certificate of Proficiency

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

Upon successful completion of this program, students 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:		
HEAL 201	CPR and AED	1
KINE 190	Introduction to Kinesiology	3
KINE 204	Techniques and Analysis of Fitness and Weight Training	3
KINE 210	Exercise Programs for Special Populations	3
Select a minimum of one unit from the courses below:		1
KINE 100	Beginning Weight Training	
KINE 101	Intermediate Weight Training	
KINE 102	Advanced Weight Training	
KINE 110	Walking for Fitness	
KINE 112	Beginning Cardio Training	
KINE 113	Intermediate Cardio Training	
KINE 114	Advanced Cardio Training	
KINE 150	Beginning Yoga	
KINE 154	Intermediate Yoga	
KINE 155	Advanced Yoga	
KINE 156	Beginning Flexibility Training	
KINE 157	Intermediate Flexibility Training	
KINE 158	Advanced Flexibility Training	
KINE 161	Beginning Martial Arts	
KINE 162	Intermediate Martial Arts	
KINE 163	Advanced Martial Arts	
Total Units		**11**

Certificate of Proficiency

Yoga Instructor (200 Hours)

The Yoga Instructor 200-hour certificate prepares students to become a 200-hour certified yoga teacher. This comprehensive and wisdom-based program uses anatomy and physiology as well as English and Sanskrit terminology to provide students with both a broad background and practical experience in the essential elements of yoga. Completion of the program prepares students for employment in health clubs, spas, yoga studios, hospitals, and the health industry as well as for self-employment as yoga instructors.

Program Student Learning Outcome

Upon completion of this program, the student will be able to demonstrate proper technique in movement and body placement.

Course Requirements

Required courses:		
KINE 145	Yoga Teacher Training Foundation	3
KINE 147	Yoga Teacher Training Development	3
KINE 150	Beginning Yoga	1
Total Units		**7**

Courses Related in Content (CRC)

Active participatory kinesiology courses that are related in content are grouped together. Students are allowed four enrollments within each CRC group, but each course may be taken only once unless its catalog description indicates it is repeatable. Enrollments include any combination of course completions (with an evaluative or nonevaluative symbol recorded on the student's transcript), withdrawals, and repetition.

Cardiorespiratory Training CRC	
KINE 112	Beginning Cardio Training
KINE 113	Intermediate Cardio Training
KINE 114	Advanced Cardio Training
Flexibility Training CRC	
KINE 156	Beginning Flexibility Training
KINE 157	Intermediate Flexibility Training
KINE 158	Advanced Flexibility Training
Martial Arts CRC	
KINE 161	Beginning Martial Arts
KINE 162	Intermediate Martial Arts
KINE 163	Advanced Martial Arts
Weight Training CRC	
KINE 100	Beginning Weight Training
KINE 101	Intermediate Weight Training
KINE 102	Advanced Weight Training
Yoga CRC	
KINE 150	Beginning Yoga
KINE 154	Intermediate Yoga
KINE 155	Advanced Yoga

Courses

KINE 100: Beginning Weight Training
Units: 0.5-1
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments among KINE 100, KINE 101, and KINE 102.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course implements the latest scientific functional training methodologies to enhance activities of daily living, weight loss, body appearance, bone density, stress reduction, core strength, balance, and coordination while decreasing the risk of orthopedic injury and low back pain through functional resistance training. It is designed for students interested in increasing muscular strength, muscular endurance, body composition, and movement performance. May be repeated three times. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 101: Intermediate Weight Training
Units: 0.5-1
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments among KINE 100, KINE 101, and KINE 102.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This stabilization training course addresses physical structural imbalances and emphasizes stabilization endurance training. Students perform stabilization training exercises in a proprioceptively enriched environment to improve alignment of the kinetic chain. They focus on increasing their ability to stabilize their joints, improve posture, and enhance neuromuscular efficiency. Students perform weight training exercises in the stabilization training phase using various modalities including thera-bands, medicine balls, body weight, physio balls, dumbbells, or equivalent. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 102: Advanced Weight Training
Units: 0.5-1
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments among KINE 100, KINE 101, and KINE 102.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This strength endurance course improves stabilization endurance and increases prime mover strength. Students perform exercises in strength endurance, hypertrophy, and maximal strength phases to improve overall work capacity, enhance joint stabilization, and increase lean body mass. Students perform weight training exercises in the strength endurance, hypertrophy, and maximal strength phases using thera-bands, medicine balls, body weight, physio ball, dumbbells, barbells, kettle bells, or the equivalent. 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.
Course Typically Offered: Fall, Spring, and Summer

Students enhance their individual health and well-being and develop positive attitudes toward life-long fitness and wellness through fitness walking. The course focuses on improving an individual's cardiopulmonary functioning, body composition, goal setting, nutritional awareness, and weight management through behavior management. Students must provide their own activity-tracking device or application. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 112: Beginning Cardio Training
Units: 0.5-1
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments among KINE 112, KINE 113, KINE 114.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This cardiorespiratory stabilization training course is designed to improve cardiorespiratory fitness in students through a variety of low-level intensity cardiovascular conditioning activities. Students learn how to develop cardiorespiratory stabilization training programs. Topics include the benefits of cardiorespiratory stabilization training, the cardiovascular system, and cardiorespiratory stabilization acute training variables, modalities, guidelines, and methods. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 113: Intermediate Cardio Training
Units: 0.5-1
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments among KINE 112, KINE 113, KINE 114.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This cardiorespiratory strength training course is designed to improve cardiorespiratory fitness in students through a variety of moderate-to-high level intensity cardiovascular conditioning activities. Students learn how to develop cardiorespiratory strength training programs. Topics include the benefits of cardiorespiratory strength training, the cardiovascular system, and cardiorespiratory strength acute training variables, modalities, guidelines, and methods. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 114: Advanced Cardio Training
Units: 0.5-1
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments among KINE 112, KINE 113, KINE 114.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This cardiorespiratory power training course is designed to improve cardiorespiratory fitness in students through a variety of high-level intensity cardiovascular conditioning activities. Students learn how to develop cardiorespiratory power training programs. Topics include the benefits of cardiorespiratory power training, the cardiovascular system, and cardiorespiratory power acute training variables, modalities, guidelines, and methods. Students perform advanced cardio workouts utilizing speed ladders, hurdles, cones, plyometric boxes, medicine balls, and battle ropes or the equivalent. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 145: Yoga Teacher Training Foundation
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on the fundamentals of yoga that are essential for both practice and teaching. Students learn proper body mechanics, anatomy, alignment principles, and breathing techniques as they relate to the performance and instruction of beginning yoga poses. Topics include the history and philosophy of yoga, Sanskrit terminology, injury prevention, and vocational opportunities.

KINE 147: Yoga Teacher Training Development
Units: 3
Prerequisites: None
Advisory: KINE 145
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides students with the tools to design and teach an intelligently sequenced 60-minute yoga class with verbal clarity. Topics include the history and philosophy of yoga, Sanskrit terminology, body mechanics and alignment, breathing styles, flow sequences, and principles of teaching yoga poses. Students learn about applying yogic principles as well as lifestyle choices and ethics for yoga teachers.

KINE 149: Yoga Teacher Training Integration
Units: 3
Prerequisites: None
Advisory: KINE 145, KINE 147, and KINE 150.
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides students with the tools to deepen their independent yoga practice in order to strengthen their teaching and develop a personal teaching style. Topics include designing, integrating, and implementing knowledge and teaching of asanas, pranayama techniques, meditation, and yogic history and philosophy. Students learn about Ayurveda, the subtle body, and yoga for special populations.

KINE 150: Beginning Yoga
Units: 0.5-1
Prerequisites: None
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the beginning practice of yoga. Students learn the practice of gentle, restorative, and vinyasa flow to improve concentration, physical endurance, flexibility, balance, and posture. The course integrates basic breathing techniques to increase oxygen intake, enhance the mind-body connection, and reduce stress. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 154: Intermediate Yoga
Units: 0.5-1
Prerequisites: KINE 150.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the intermediate practice of yoga. Students learn the practice of gentle, restorative, and vinyasa flow to improve concentration, physical endurance, flexibility, balance, and posture. The course integrates intermediate breathing techniques to increase oxygen intake, enhance the mind-body connection, and reduce stress. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 155: Advanced Yoga
Units: 0.5-1
Prerequisites: KINE 150
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the advanced practice of yoga. Students learn the practice of restorative and vigorous vinyasa flow to improve concentration, physical endurance, flexibility, balance, and posture. The course integrates advanced breathing techniques to increase oxygen intake, enhance the mind-body connection, and reduce stress. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 156: Beginning Flexibility Training
Units: 0.5-1
Prerequisites: None
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This corrective flexibility course is designed to increase joint range of motion, improve muscle imbalances, correct altered joint motion, and address posture distortions. Correct flexibility includes self-myofascial release and static stretching. Students perform flexibility training exercises utilizing therabands, straps, foam rollers, and physio ball or the equivalent. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 157: Intermediate Flexibility Training
Units: 0.5-1
Prerequisites: None
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This active stretching course is designed to use agonists and synergists to dynamically move the joint into a range of motion. This form of stretching increases motorneuron excitability, creating reciprocal inhibition of the muscle being stretched. Students perform flexibility training exercises utilizing therabands, pulley systems, foam rollers, and physio ball or the equivalent. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 158: Advanced Flexibility Training
Units: 0.5-1
Prerequisites: None
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This functional flexibility course is designed to use force production of a muscle and the body's momentum to take a joint through the full available range of motion. Dynamic stretching uses the concept of reciprocal inhibition to improve soft tissue extensibility. Students perform flexibility training exercises utilizing therabands, stretch cages, foam rollers, speed ladders, hurdles, and medicine balls the equivalent. 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.
Advisory: KINE 149
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides students with the advanced knowledge and skills to design and implement all-level yoga classes and yoga-based educational workshops. It integrates in-depth study of yogic philosophy and Sanskrit terminology with injury management and the use of props for asana progressions and regressions as well as intelligent sequencing and theming to create purposeful class experiences. Students also learn about the business aspects of teaching yoga.

KINE 161: Beginning Martial Arts
Units: 0.5-1
Prerequisites: None
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to the beginning skills of martial arts, which is a non aggressive 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 training. NOTE: A Gi uniform is required. Please attend the first class before purchasing. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 162: Intermediate Martial Arts
Units: 0.5-1
Prerequisites: KINE 161.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to intermediate skills of martial arts, which is a nonaggressive yet highly effective form of self-defense. Students learn about intermediate movements and body dynamics, safety procedures, and standards of etiquette in a setting of diligent training. NOTE: A Gi uniform is required. Please attend the first class before purchasing. UC CREDIT LIMITATION: Any or all activity courses, maximum credit, 4 units.

KINE 163: Advanced Martial Arts
Units: 0.5-1
Prerequisites: KINE 162.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to advanced skills of martial arts, which is a non-aggressive 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 training. NOTE: A Gi uniform is required. 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, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the field of kinesiology and nutrition, including its history, scope, and sub-disciplines. Students explore principles of kinesiology and career opportunities within kinesiology and nutrition/dietetics as well as professional characteristics and ethical responsibilities of those who work in the field. Topics include nutrition, biomechanics, fitness/posture assessments, assessment tool use (body fat, flexibility, cardiorespiratory), exercise prescriptions, and behavior management. C-ID KIN-100.

KINE 200: Physical Education in the Elementary School
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course teaches students how to develop physical education curriculum to best meet the needs of elementary school children based on national and state physical and health education content standards for California public schools. The course emphasizes the role and significance of physical education, instructional methods, and motor skill, movement, and total wellness concepts, including nutrition, disease prevention, and the adverse effects of drug/narcotic, alcohol, and tobacco use.

KINE 203: Techniques in Athletic Training
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course explores the basic fundamentals of athletic injury health care. It emphasizes prevention, recognition, basic assessment, immediate care, treatment, and rehabilitation of common athletic injuries. Topics include theory and application of taping and wrapping, basic first aid, emergency field care, and anatomical landmark recognition. Students are required to purchase athletic taping supplies. UC CREDIT LIMITATION: Any or all KINE theory courses, maximum credit, 8 units.

KINE 204: Techniques and Analysis of Fitness and Weight Training
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

In this introduction to personal fitness training, students design a comprehensive fitness program that includes muscular strength and endurance, flexibility, and cardiorespiratory and core training to meet individual client needs. The course emphasizes program design, fitness assessment, posture analysis, biomechanics, exercise physiology, muscle anatomy, professional development, nutrition, goal setting, and behavior modification. UC CREDIT LIMITATION: Any or all KINE theory courses, maximum credit, 8 units.

KINE 210: Exercise Programs for Special Populations
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Spring

This course examines the exercise implications for special populations related to age, medical condition, and level of fitness. Topics include resistance, cardio, flexibility/yoga, and balance programs 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: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

KINE 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Learning Skills

The Learning Skills program offers skills courses for students with disabilities.

Contact Information

Chair: Jeff Higginbotham
Dean: Ailene Crakes
www.miracosta.edu/sas (http://www.miracosta.edu/sas)

Department: Student Accessibility Services (SAS)
Office: Oceanside, Building 14, Second Floor, 760.795.6658

Full-Time Faculty

Kris Peck

Courses

LRNS 42: Strategies Designed for Students with Learning Disabilities: Mathematics
Units: 3
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This is a self-paced course designed for students with learning disabilities. Students receive instruction in mathematics as prescribed by individualized plans. The course emphasizes visual and auditory processing skills through work in mathematics plus compensatory techniques. Additional areas of study include self-advocacy and learning strategies.

Liberal Arts

The liberal arts degree program at MiraCosta College is composed of seven patterns of courses that prepare students for a variety of university majors within a disciplinary area. The program also develops communication, critical thinking, and intellectual skills that are essential for lifelong learning. Students

are provided with a well-rounded education that offers the opportunity for depth of knowledge within an area of emphasis.

The liberal arts patterns allow students to choose 18 units that will provide depth in a field of knowledge and develop their academic and career-related capabilities and insights. To graduate with an associate degree in one of these seven areas, students must also complete a pattern of general education coursework.

Students should meet with a counselor to select the liberal arts pattern and coursework that are most appropriate to their educational goal.

Associate Degrees

Associate in Arts Degrees

- **Liberal Arts: Arts and Humanities (p. 259)**
- **Liberal Arts: Business and Technology (p. 261)**
- **Liberal Arts: Creative and Applied Arts (p. 262)**
- **Liberal Arts: Health Sciences (p. 264)**
- **Liberal Arts: Mathematics and Sciences (p. 265)**
- **Liberal Arts: Multicultural Studies (p. 267)**
- **Liberal Arts: Social and Behavioral Sciences (p. 269)**

Liberal Arts: Arts and Humanities

Academic and Career Pathway

Languages, Communication, and Humanities (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/)

Associate in Arts Degree

Liberal Arts: 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.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 73)).
- Obtain a minimum GPA of 2.0 in the degree-applicable courses.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will be able 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.

Course Requirements

Select a minimum of 18 units from the following:

Anthropology		
ANTH 135	Magic, Witchcraft, and Religion	3
Art and Art History		
ART 100	Drawing and Composition	3
ART 101	Design and Color	3
ART 103	3D Design	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 290	Landmarks of Art	3
ARTH C1100	Survey of Art from Prehistory to the Medieval Era	3
ARTH C1200	Survey of Art from the Renaissance to Contemporary	3
ARTH 157	Art Orientation	3
ARTH 158	Indigenous Arts of Africa, Oceania, and the Americas	3
ARTH 159	Indigenous Arts of Central and South America	3
ARTH 260	History of Modern Art	3
or ARTH 260H	History of Modern Art (Honors)	
Chicana Chicano Studies		
CCS 232	Critical Issues in Chicana and Latina Studies	3
Communication		
COMM C1000	Introduction to Public Speaking	3
COMM C1004	Interpersonal Communication	3
COMM 106	Group Communication	3
COMM 111	Narrative Performance	3
COMM 120	Principles of Human Communication	3
COMM 212	Argumentation	3
COMM 215	Intercultural Communication	3
COMM 220	Introduction to Mass Communication	3
Dance		
DNCE 100	Dance Appreciation	3
DNCE 101	Dance History	3

DNCE 102	Introduction to Mexican Folkloric Dance: History, Culture, and Performance	3
DNCE 104	Dance on Film	3
DNCE 105	Dance Cultures of the World	3
Design		
DESN 107	History of Western Architecture-A Sustainable Perspective	3
DESN 108	World Architecture	3
Drama		
DRAM 105	Introduction to Theatre	3
DRAM 130	Acting I	3
DRAM 134	Introduction to Performance	3
DRAM 222	Introduction to Black Theater	3
English and Literature		
ENGL C1000	Academic Reading and Writing	4
ENGL C1001	Critical Thinking and Writing	4
or ENGL C1001H	Critical Thinking and Writing (Honors)	
ENGL C1002	Introduction to Literature	3
ENGL C1003	Critical Thinking and Writing through Literature	4
or ENGL C1003H	Critical Thinking and Writing through Literature - Honors	
LIT 100	Introduction to Chicano Chicana Literature	3
LIT 122	Introduction to African American 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 261	English Literature: Romantic to Contemporary	3
LIT 265	Shakespeare Studies	3
LIT 270	World Literature to 1600	3
LIT 271	World Literature Since 1600	3
Film		
FILM 101	Introduction to Film	3
or FILM 101H	Introduction to Film (Honors)	
FILM 106	Study of Cinematic Adaptation	3
FILM 111	Film History I: 1880-1948	3
FILM 112	Film History II: 1948-Present	3
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3
FILM 212	Women and Gender in Film	3
French		
FREN 101	Elementary French (First Semester)	4
FREN 102	Elementary French (Second Semester)	4
FREN 121	Introduction to French Culture	3
FREN 201	Intermediate French (Third Semester)	4
FREN 202	Intermediate French (Fourth Semester)	4
German		
GRMN 101	Elementary German (First Semester)	4
GRMN 102	Elementary German (Second Semester)	4
GRMN 121	Introduction to German Culture	3
History		
HIST C1001	United States History to 1877	3
or HIST C1001H	United States History to 1877 - Honors	
HIST C1002	United States History since 1865	3
or HIST C1002H	United States History since 1865 - Honors	
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 103	Early European History and Culture	3
HIST 104	Modern European History and Culture	3
HIST 115	Women in American History	3
HIST 116	History of the Americas to 1830	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
Humanities		
HUMN 101	Introduction to the Arts	3
HUMN 202	Humanities of the Western World: The Renaissance to the Twentieth Century	3
HUMN 205	Women in Western Art and Literature	3
Italian		
ITAL 101	Elementary Italian (First Semester)	4
ITAL 102	Elementary Italian (Second Semester)	4
ITAL 121	Introduction to Italian Culture	3
ITAL 201	Intermediate Italian (Third Semester)	4
ITAL 202	Intermediate Italian (Fourth Semester)	4
Japanese		
JAPN 101	Elementary Japanese (First Semester)	4
JAPN 102	Elementary Japanese (Second Semester)	4
JAPN 121	Introduction to Japanese Culture	3
JAPN 123	Japanese Anime and Manga	3
JAPN 201	Intermediate Japanese (Third Semester)	4
JAPN 202	Intermediate Japanese (Fourth Semester)	4
JAPN 210	Intermediate Conversation I and Reading	3

Media Arts and Technology		
MAT 105	History of Graphic Design	3
Music		
MUS 110	Theory/Musicianship I	3
MUS 112	American Popular Music	3
MUS 113	The Music of America	3
MUS 114	History of Rock and Roll	3
MUS 115	History of Classical Music	3
MUS 116	A Survey of World Music	3
MUS 119	Jazz History	3
Philosophy		
PHIL 100	Critical Thinking and Argumentative Writing	3
PHIL 101	Introduction to Philosophy: Knowledge and Reality	3
or PHIL 101H	Introduction to Philosophy: Knowledge and Reality (Honors)	
PHIL 102	Ethical Problems	3
PHIL 221	Philosophy of Religion	3
Reading		
READ 100	Critical Reading and Thinking	3
Religious Studies		
RELG 101	World Religions	3
or RELG 101H	World Religions (Honors)	
RELG 103	Religion in America	3
RELG 105	Eastern Religions	3
Spanish		
SPAN 101	Elementary Spanish (First Semester)	4
SPAN 102	Elementary Spanish (Second Semester)	4
SPAN 121	Introduction to Hispanic Cultures	3
SPAN 201	Intermediate Spanish (Third Semester)	4
SPAN 202	Intermediate Spanish (Fourth Semester)	4
SPAN 221	Spanish for Native Speakers	4
SPAN 222	Spanish for Native Speakers II	4

Liberal Arts: Business and Technology

Academic and Career Pathway

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

Associate in Arts Degree

Liberal Arts: 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.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 73)).
- Obtain a minimum GPA of 2.0 in the degree-applicable courses.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will be able 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.

Course Requirements

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	QuickBooks	
ACCT 158	Business Mathematics	
ACCT 201	Financial Accounting	
BUS 204	Business Statistics	
ECON 100	Survey of Economics	
ECON C2001	Principles of Microeconomics	
ECON C2002	Principles of Macroeconomics	
MATH 115	Calculus with Applications	
STAT C1000	Introduction to Statistics	
or STAT C1000E	Introduction to Statistics (Embedded Support)	
or STAT C1000H	Introduction to Statistics (Honors)	

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	
BUS 160	International Business	
BUS 290	Business Communication	
HOSP 100	Introduction to Hospitality Management	
HOSP 114	Hospitality Law	
MTEC 160	Business of Music and Media I	
MTEC 260	Business of Music and Media II	
List C: Select a minimum of 6 units from the following courses:		6
CSIT 110	Computer Applications	
CSIT 120	Fundamentals of Computer Information Systems	
CSIT 125	Microsoft Word for Business	
CSIT 128	Microsoft Excel for Business	
CSIT 131	Microsoft Access for Business	
CSIT 134	Microsoft PowerPoint for Business	
CSIT 137	Google Apps for Business	
CSIT 146	E-Commerce and Web Presence	
CSIT 149	Microsoft Windows	
CSIT 155	Social Media for Business	
MAT 110	Digital Imaging 1: Adobe Photoshop	
MAT 120	Media Design 1: Production	
MAT 125	Web Design 1: Fundamentals	
MAT 135	Graphic Design 1: Principles	
MAT 150	Animation and Interactivity	
MAT 160	Video 1: Production	
MAT 165	Web Design 2: WordPress and Site Production	
MAT 170	Digital Illustration 1: Adobe Illustrator	
MAT 180	Digital Publishing: Adobe InDesign	
List D: Select one course from the following courses:		3-4
ENGL C1001	Critical Thinking and Writing	
or ENGL C1001H	Critical Thinking and Writing (Honors)	
ENGL C1003	Critical Thinking and Writing through Literature	
or ENGL C1003	Critical Thinking and Writing through Literature - Honors	
PHIL 100	Critical Thinking and Argumentative Writing	
READ 100	Critical Reading and Thinking	

Liberal Arts: Creative and Applied Arts

Academic and Career Pathway

Creative and Applied Arts (https://www.miracosta.edu/academics/degree-and-certificate-programs/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.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 73)).
- Obtain a minimum GPA of 2.0 in the degree-applicable courses.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will be able 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.

Course Requirements

Select a minimum of 18 units from the following:

Art		
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 200	Drawing III	3
ART 201	Objects and Ideas in Contemporary Art	3

ART 202	Painting I: Acrylic	3
ART 203	Figure Drawing I	3
ART 204	Painting I: Oils	3
ART 205	Painting I: Watercolor	3
ART 206	Mixed Media Figure Studies I	3
ART 207	Film Photography I	3
ART 208	Film Photography II	3
ART 210	Printmaking I	3
ART 211	Mixed Media Figure Studies II	3
ART 212	Painting II: Acrylic	3
ART 213	Figure Drawing II	3
ART 214	Painting II: Oils	3
ART 215	Painting II: Watercolor	3
ART 216	Sculpture	3
ART 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 232	Video Art	3
ART 234	Kinetic Art	3
ART 239	Woodworking and Furniture Design IV	3
ART 241	Painting III: Acrylic	3
ART 242	Painting III: Watercolor	3
ART 244	Digital Media for the Visual Artist	3
ART 245	Digital Art and Media	3
ART 251	Digital Photography	3
ART 254	Understanding and Appreciating the Photographic Image	3
ART 255	Painting IV: Watercolor	3
ART 261	Mixed Media Figure Studies III	3
ART 262	Introduction to Silkscreen	3
ART 263	Figure Drawing III	3
ART 264	Painting III: Oils	3
ART 265	Painting IV: Oils	3
ART 266	Painting IV: Acrylic	3
ART 271	Museum and Gallery Exhibition	3
ART 295	Visual Art/Professional Practice	3
Communication		
COMM 111	Narrative Performance	3
Dance		
DNCE 121	Hip Hop I	1
DNCE 122	Hip Hop II	1
DNCE 134	Pacific Island Dance I	1.5
DNCE 135	Pacific Island Dance II	1.5
DNCE 136	Dance Practices Across Cultures and Borders	1
DNCE 140	Ballroom Dance Technique I	1
DNCE 143	Ballroom Dance Technique II	1
DNCE 146	Latin Dance Technique I	1
DNCE 147	Latin Dance Technique II	1
DNCE 152	Ballet I	1.5
DNCE 154	Ballet II	1.5
DNCE 166	Jazz Dance I	1.5
DNCE 168	Jazz Dance II	1.5
DNCE 176	Modern Dance I	1.5
DNCE 178	Modern Dance II	1.5
DNCE 179	Musical Theatre Dance Production	1-2
DNCE 201	Contemporary Dance Production II	1.5
DNCE 202	Contemporary Dance Production III	1.5
DNCE 203	Contemporary Dance Production IV	1.5
DNCE 204	Classical Dance Production I	1.5
DNCE 205	Classical Dance Production II	1.5
DNCE 206	Classical Dance Production III	1.5
DNCE 207	Classical Dance Production IV	1.5
DNCE 234	Pacific Island Dance III	1.5
DNCE 235	Pacific Island Dance IV	1.5
DNCE 250	Contemporary Dance Intensive I	1.5
DNCE 253	Contemporary Dance Intensive II	1.5
DNCE 254	Contemporary Dance Intensive III	1.5
DNCE 256	Contemporary Dance Intensive IV	1.5
DNCE 263	Contemporary Dance Workshop and Performance A	1.5
DNCE 264	Contemporary Dance Workshop and Performance B	1.5
DNCE 266	Jazz Dance III	1.5
DNCE 267	Contemporary Dance Workshop and Performance C	1.5
DNCE 268	Jazz Dance IV	1.5
DNCE 269	Contemporary Dance Workshop and Performance D	1.5
Drama		
DRAM 107	Introduction to Design for Performance	3
DRAM 110	Voice and Diction	3
DRAM 123	Script Analysis for Performance and Design	3
DRAM 126	Shakespearean Acting Lab	1
DRAM 130	Acting I	3
DRAM 131	Audition Preparation for the Stage	2
DRAM 134	Introduction to Performance	3
DRAM 141	Lighting Design for Theatre, Television, and Film	3
DRAM 146	Costume Design for Theatre, Television, and Film	3
DRAM 148	Acting for the Camera	3
DRAM 201	Rehearsal and Performance: Dramatic Theatre	1-3
DRAM 202	Rehearsal and Performance: Comedic Theatre	1-3

DRAM 203	Rehearsal and Performance: Classical Theatre	1-3
DRAM 204	Rehearsal and Performance: Musical Theatre	1-3
DRAM 210	Rehearsal and Performance: Technical Theatre	1-3
DRAM 226	Advanced Performance Lab	1
DRAM 227	Dramatic Improvisation	1
DRAM 231	Acting II	3
DRAM 232	Movement for the Stage	2
DRAM 253	Makeup for Theatre, Television, and Film	3
DRAM 256	Stagecraft for Theatre, Television, and Film	3
DRAM 273	Acting, Voice, and Movement Workshop	1
English		
ENGL 280	Creative Writing	3
Media Arts and Technology		
MAT 120	Media Design 1: Production	3
MAT 125	Web Design 1: Fundamentals	3
MAT 135	Graphic Design 1: Principles	3
MAT 150	Animation and Interactivity	3
Music Technology		
MTEC 110	Recording Arts I	2
MTEC 111	Recording Arts II	2
MTEC 120	Digital Audio Production I	2
MTEC 140	Sound Reinforcement I	2
MTEC 210	Recording Arts III	2
MTEC 211	Recording Arts IV	2
MTEC 220	Digital Audio Production II	2
MTEC 240	Sound Reinforcement II	2
Music		
MUS 110	Theory/Musicianship I	3
MUS 111	Music Theory II	3
MUS 111L	Musicianship II	1
MUS 120	Piano I	1
MUS 121	Piano II	1
MUS 128	Piano for Music Majors I	1
MUS 129	Piano for Music Majors II	1
MUS 130A	Guitar I	1
MUS 130B	Guitar II	1
MUS 150A	Contemporary Big Band I	1
MUS 150B	Contemporary Big Band II	1
MUS 152A	Studio Jazz Ensemble I	1.5
MUS 152B	Studio Jazz Ensemble II	1.5
MUS 155A	Popular Music Ensemble I	1
MUS 155B	Popular Music Ensemble II	1
MUS 164	Musical Theater Ensemble	1
MUS 166A	Vocal Jazz Ensemble I	1.5
MUS 166B	Vocal Jazz Ensemble II	1.5
MUS 210	Music Theory III	3
MUS 210L	Musicianship III	1
MUS 211	Music Theory IV	3
MUS 211L	Musicianship IV	1
MUS 230A	Guitar III	1
MUS 230B	Guitar IV	1
MUS 250A	Contemporary Big Band III	1
MUS 250B	Contemporary Big Band IV	1
MUS 252A	Studio Jazz Ensemble III	1.5
MUS 252B	Studio Jazz Ensemble IV	1.5
MUS 253	Jazz/Commercial Improvisation	2
MUS 255A	Popular Music Ensemble III	1
MUS 255B	Popular Music Ensemble IV	1
MUS 266A	Vocal Jazz Ensemble III	1.5
MUS 266B	Vocal Jazz Ensemble IV	1.5

Liberal Arts: Health Sciences

Academic and Career Pathway

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

Associate in Arts Degree

Liberal Arts: Health Sciences

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.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 73)).
- Obtain a minimum GPA of 2.0 in the degree-applicable courses.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will be able 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.

Program Requirements:

Students must complete a total of 18 units.		18
Select a minimum of 6 units from the following courses:		
ANTH 102	Cultural Anthropology	
COMM 106	Group Communication	
COMM C1000	Introduction to Public Speaking	
COMM C1004	Interpersonal Communication	
PSYC C1000	Introduction to Psychology	
or PSYC C1000H	Introduction to Psychology (Honors)	
BTEC 180	Biostatistics	
or BUS 204	Business Statistics	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
or STAT C1000	Introduction to Statistics	
or STAT C1000E	Introduction to Statistics (Embedded Support)	
or STAT C1000H	Introduction to Statistics (Honors)	
SOCI C1000	Introduction to Sociology	
or SOCI C1000H	Introduction to Sociology - Honors	
Health Sciences Track		
Select a minimum of 12 units from the following courses:		
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)	
or BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	
BIO 202	Foundations of Biology: Evolution, Biodiversity, and Organismal Biology	
BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology	
BIO 210	Human Anatomy	
BIO 220	Human Physiology	
BIO 230	Introduction to Microbiology	
CHEM 112	Introductory General, Organic, and Biological Chemistry: For Allied Health Majors	
CHEM 115	Introductory General Chemistry: For Allied Health Majors	
CHEM 140	Preparation for General Chemistry: For Science Majors	
CHEM 150	General Chemistry I: For Science Majors	
CHEM 151	General Chemistry II: For Science Majors	
NURS 155	Basic Medical Terminology	
PHYS 111	Introductory Physics I	
PHYS 112	Introductory Physics II	
Nutrition and Kinesiology Track		
Select a minimum of 12 units from the following courses*:		
GERO 101	Introduction to Aging	
HEAL 101	Principles of Health	
HEAL 200	First Aid and Safety	
HEAL 201	CPR and AED	
KINE 190	Introduction to Kinesiology	
KINE 200	Physical Education in the Elementary School	
KINE 203	Techniques in Athletic Training	
KINE 204	Techniques and Analysis of Fitness and Weight Training	
NUTR 100	Nutrition Today	
NUTR 105	Human Performance and Sports Nutrition	
NUTR 108	Cultural Aspects of Foods and Nutrition	
NUTR 125	Nutrition and Aging	
Total Units		**18**

* BIO, CHEM and PHYS courses from the Health Sciences Track may also be used to meet the requirements for the Nutrition and Kinesiology Track.

Liberal Arts: Mathematics and Sciences

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Associate in Arts Degree

Liberal Arts: Mathematics and Sciences

The science courses in this category examine the physical universe, its life forms, and its natural phenomena. These courses assist the student in developing an appreciation of the scientific method and encourage an understanding of the relationships between science and other human activities. The mathematics courses encourage the understanding of mathematical concepts through the development of quantitative reasoning skills.

This area of emphasis provides students with lower-division preparation for a variety of majors within the scientific disciplines, including astronomy, biology, chemistry, and physics, as well as preparation for mathematics majors. Additionally, students may prepare for nursing, kinesiology, public health, and other health science majors. Many of the courses will assist students in prerequisite preparation for graduate programs within the health sciences. A point system using multi-criteria approved by the California Community Colleges Chancellor's Office is used to accept students into the RN program.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 73)).
- Obtain a minimum GPA of 2.0 in the degree-applicable courses.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will be able 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.

Course Requirements

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 Area 2: Mathematical Concepts and Quantitative Reasoning on the Cal-GETC general education pattern may be used in lieu of a course with the MATH prefix.

Anthropology		
ANTH C1001	Introduction to Biological Anthropology	3
or ANTH C1001H	Introduction to Biological Anthropology - Honors	
ANTH C1001L	Biological Anthropology Lab	1
ANTH 105	Evolution of Human Behavior	3
ANTH 190	Primate Behavior and Ecology	3
Astronomy		
ASTR C1001	Introduction to Astronomy	3
ASTR C1001L	Introduction to Astronomy Lab	1
ASTR 120	Life in the Universe	3
Biology		
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: Ocean Ecology and Sustainability	3
BIO 108L	Introductory Biology: Ocean Ecology and Sustainability Lab	1
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)	4
or BIO 111 & 111L	Introductory Biology: Preparation for Pre-Health Professions (Lecture) and Introductory Biology: Preparation for Pre-Health Professions (Lab)	
BIO 202	Foundations of Biology: Evolution, Biodiversity, and Organismal Biology	4
BIO 204	Foundations of Biology: Biochemistry, Cell Biology, Genetics, and Molecular Biology	4
BIO 210	Human Anatomy	4
BIO 220	Human Physiology	4
BIO 230	Introduction to Microbiology	5
Business		
BUS 147	Personal Finance	3
Chemistry		
CHEM 103	Chemistry and Society: For Non-Science Majors	3
CHEM 103L	Chemistry and Society: For Non-Science Majors (Lab)	1
CHEM 112	Introductory General, Organic, and Biological Chemistry: For Allied Health Majors	5
CHEM 115	Introductory General Chemistry: For Allied Health Majors	4
CHEM 140	Preparation for General Chemistry: For Science Majors	4
CHEM 150	General Chemistry I: For Science Majors	5
CHEM 151	General Chemistry II: For Science Majors	5
CHEM 210	Organic Chemistry I: For Science Majors	5
CHEM 211	Organic Chemistry II: For Science Majors	5
Computer Studies and Information Technology		
CSIT 123	Introduction to Data Analytics	3
Earth Science		
EART 106	Earth and Space Science	3
Engineering		
EE 100	Introduction to Electrical Engineering	3
EE 110	Electrical Engineering Clinic I	1
EE 210	Electrical Engineering Clinic II	1
ENGR 130	Statics	3
ENGR 230	Dynamics	3
Geography		
GEOG 101	Earth's Dynamic Environment: Introduction to Physical Geography	3
GEOG 101L	Earth's Dynamic Environment: Introduction to Physical Geography Lab	1
Geology		
GEOL 101	Physical Geology	3
GEOL 101L	Physical Geology Laboratory	1
Horticulture		
HORT 115	Soil Science	3
HORT 116	Plant Science	4
Mathematics		
MATH 102	Math Fundamentals: Mathematics for Life	3

MATH 102A	Mathematics for Life	3
MATH 112	Algebraic Concepts for Problem Solving	4
MATH 115	Calculus with Applications	5
MATH 126	Pre-Calculus I: College Algebra	4-5
or MATH 126S	Pre-Calculus I: College Algebra with Integrated Support	
MATH 131	Pre-Calculus II: Trigonometry and Analytic Geometry	4
MATH 135	Precalculus Mathematics	6
MATH 210	Mathematical Concepts and Structures for Teachers I: Number Systems and Number Sense	4
MATH 212	Mathematical Concepts and Structures for Teachers II: Algebra, Geometry, Measurement, and Reasoning	4
MATH 226	Discrete Mathematics	4
MATH 260	Calculus and Analytic Geometry III	4
MATH 265	Differential Equations	4
MATH 270	Linear Algebra	4
MATH C2210	Calculus I: Early Transcendentals	5
or MATH C2210E	Calculus I: Early Transcendentals - Embedded Support	
or MATH C2210H	Calculus I: Early Transcendentals - Honors	
MATH C2220	Calculus II: Early Transcendentals	4
STAT C1000	Introduction to Statistics	3-5
or STAT C1000E	Introduction to Statistics (Embedded Support)	
or STAT C1000H	Introduction to Statistics (Honors)	
or BTEC 180	Biostatistics	
or BUS 204	Business Statistics	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
Nutrition		
NUTR 100	Nutrition Today	3
NUTR 120	Principles of Food Science with Lab	3
Oceanography		
OCEA 101	Introduction to Oceanography	3
or OCEA 101H	Introduction to Oceanography (Honors)	
OCEA 101L	Introductory Oceanography Laboratory	1
Physical Science		
PHSN 106	Introduction to Physical Science: Physics and Chemistry	3
Physics		
PHYS 111	Introductory Physics I	4
PHYS 112	Introductory Physics II	4
PHYS 151	Principles of Physics I	4
PHYS 152	Principles of Physics II	4
PHYS 253	Principles of Physics III	4
PHYS 280	Introduction to Electronics	3
Psychology		
PSYC 260	Physiological Psychology	3

Liberal Arts: Multicultural Studies

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Associate in Arts Degree

Liberal Arts: 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.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 73)).
- Obtain a minimum GPA of 2.0 in the degree-applicable courses.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will be able 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.

Course Requirements

Select a minimum of 18 units from the following:

Administration of Justice		
ADM 230	Policing in a Diverse and Multicultural Society	3
Anthropology		
ANTH 102	Cultural Anthropology	3
Art and Art History		
ART 290	Landmarks of Art	3

ARTH 159	Indigenous Arts of Central and South America	3
Black Studies		
BLST 100	Introduction to Black Studies	3
Business		
BUS 160	International Business	3
Chicana Chicano Studies		
CCS 100	Introduction to Chicana/o Studies	3
CCS 232	Critical Issues in Chicana and Latina Studies	3
Child Development		
CDEV 210	Child, Family, and Community	3
CDEV 235	Children in a Diverse Society	3
Communication		
COMM 135	Gender Studies in Communication	3
COMM 215	Intercultural Communication	3
Dance		
DNCE 102	Introduction to Mexican Folkloric Dance: History, Culture, and Performance	3
DNCE 104	Dance on Film	3
DNCE 105	Dance Cultures of the World	3
DNCE 136	Dance Practices Across Cultures and Borders	1
Design		
DESN 108	World Architecture	3
Economics		
ECON 100	Survey of Economics	3
ECON C2001	Principles of Microeconomics	3
ECON C2002	Principles of Macroeconomics	3
Education		
EDUC 115	Foundations of Teaching as a Profession	3
Ethnic Studies		
ETHN 100	Introduction to Ethnic Studies	3
or ETHN 100H	Introduction to Ethnic Studies (Honors)	
ETHN 200	Introduction to Pacific Islander and Oceania Studies	3
ETHN 207	Race and Ethnic Relations	3
or SOCI 207	Race and Ethnic Relations	
NAIS 100	Introduction to Native American and Indigenous Studies	3
Film		
FILM 211	Identity and Film: Race, Class, Gender and Sexuality	3
FILM 212	Women and Gender in Film	3
French		
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
Geography		
GEOG 102	People, Place, and Time: Introduction to Human Geography	3
GEOG 104	World Geography	3
German		
GRMN 101	Elementary German (First Semester)	4
GRMN 102	Elementary German (Second Semester)	4
GRMN 121	Introduction to German Culture	3
Gerontology		
GERO 101	Introduction to Aging	3
GERO 250	Intergenerational Issues	3
History		
HIST 102	History of the Modern Middle East	3
HIST 103	Early European History and Culture	3
HIST 104	Modern European History and Culture	3
HIST 107	East Asian Societies	3
HIST 115	Women in American History	3
HIST 116	History of the Americas to 1830	3
HIST 117	History of the Americas Since 1830	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 150	History of Mexico	3
Humanities		
HUMN 101	Introduction to the Arts	3
Italian		
ITAL 101	Elementary Italian (First Semester)	4
ITAL 102	Elementary Italian (Second Semester)	4
ITAL 121	Introduction to Italian Culture	3
ITAL 201	Intermediate Italian (Third Semester)	4
ITAL 202	Intermediate Italian (Fourth Semester)	4
Japanese		
JAPN 101	Elementary Japanese (First Semester)	4
JAPN 102	Elementary Japanese (Second Semester)	4
JAPN 121	Introduction to Japanese Culture	3
JAPN 123	Japanese Anime and Manga	3
JAPN 201	Intermediate Japanese (Third Semester)	4
JAPN 202	Intermediate Japanese (Fourth Semester)	4
JAPN 210	Intermediate Conversation I and Reading	3
Linguistics and Literature		
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
Music		
MUS 112	American Popular Music	3
MUS 113	The Music of America	3
MUS 116	A Survey of World Music	3
Political Science		
POLS 150	Introduction to International Relations	3
Psychology		
PSYC 125	Psychology of Women	3
PSYC 145	Psychology/Sociology of the Family	3
or SOCI 145	Psychology/Sociology of the Family	
Religious Studies		
RELG 101	World Religions	3
or RELG 101H	World Religions (Honors)	
RELG 105	Eastern Religions	3
Sociology		
SOCI 105	Introduction to Justice Studies	3
SOCI 120	Introduction to Women's Studies	3
SOCI 130	Introduction to Gender Studies	3
SOCI 140	Introduction to LGBT Studies	3
Spanish		
SPAN 101	Elementary Spanish (First Semester)	4
SPAN 102	Elementary Spanish (Second Semester)	4
SPAN 121	Introduction to Hispanic Cultures	3
SPAN 201	Intermediate Spanish (Third Semester)	4
SPAN 202	Intermediate Spanish (Fourth Semester)	4
SPAN 221	Spanish for Native Speakers	4
SPAN 222	Spanish for Native Speakers II	4

Liberal Arts: Social and Behavioral Sciences

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Associate in Arts Degree

Liberal Arts: 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.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 73)).
- Obtain a minimum GPA of 2.0 in the degree-applicable courses.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome

Upon completion of this program, the student will be able 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.

Course Requirements

Select a minimum of 18 units from the following:

Administration of Justice		
ADM 100	Introduction to the Administration of Justice	3
ADM 200	Concepts of Criminal Law	3
Anthropology		
ANTH 102	Cultural Anthropology	3
ANTH 103	Introduction to Archaeology	3
ANTH 105	Evolution of Human Behavior	3
ANTH 107	Gender, Sex, and Sexuality	3
ANTH 120	Global Health	3
ANTH 190	Primate Behavior and Ecology	3
Black Studies		
BLST 100	Introduction to Black Studies	3
Chicana Chicano Studies		
CCS 100	Introduction to Chicana/o Studies	3
CCS 232	Critical Issues in Chicana and Latina Studies	3
Child Development		
CDEV C1000	Child Growth and Development	3
CDEV 112	The Developing Child: Conception through Early Childhood	3
CDEV 210	Child, Family, and Community	3
CDEV 235	Children in a Diverse Society	3
Communication		
COMM C1000	Introduction to Public Speaking	3
COMM C1004	Interpersonal Communication	3
COMM 106	Group Communication	3

COMM 120	Principles of Human Communication	3
COMM 135	Gender Studies in Communication	3
COMM 144	Race and Ethnicity in Communication	3
COMM 212	Argumentation	3
COMM 220	Introduction to Mass Communication	3
Computer Studies and Information Technology		
CSIT 160	Technology, the Individual, and Society	3
CSIT 165	Living in an Online World	3
Counseling		
COUN 115	Introduction to Multicultural Counseling	3
Economics		
ECON 100	Survey of Economics	3
ECON C2001	Principles of Microeconomics	3
ECON C2002	Principles of Macroeconomics	3
Geography		
GEOG 102	People, Place, and Time: Introduction to Human Geography	3
GEOG 104	World Geography	3
GEOG 108	Environmental Sustainability and Society	3
Gerontology		
GERO 101	Introduction to Aging	3
GERO 250	Intergenerational Issues	3
History		
HIST C1001	United States History to 1877	3
or HIST C1001H	United States History to 1877 - Honors	
HIST C1002	United States History since 1865	3
or HIST C1002H	United States History since 1865 - Honors	
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
HIST 104	Modern European History and Culture	3
HIST 107	East Asian Societies	3
HIST 113	American Military History	3
HIST 115	Women in American History	3
HIST 116	History of the Americas to 1830	3
HIST 117	History of the Americas Since 1830	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 150	History of Mexico	3
HIST 165	California History	3
Nutrition		
NUTR 108	Cultural Aspects of Foods and Nutrition	3
Political Science		
POLS C1000	American Government and Politics	4
POLS 101	Introduction to Political Science	3
or POLS 101H	Introduction to Political Science (Honors)	
POLS 103	Comparative Government	3
POLS 150	Introduction to International Relations	3
Psychology		
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology (Honors)	
PSYC 100	Psychology of Personal Growth	3
PSYC 114	Abnormal Psychology	3
PSYC 115	Human Sexuality	3
PSYC 121	Human Development	3
PSYC 125	Psychology of Women	3
PSYC 170	Psychology of Aging: Adult Development and Aging	3
PSYC 205	Research Methods in Psychology	3
PSYC 211	Learning and Behavior Modification	3
PSYC 260	Physiological Psychology	3
Social and Behavioral Sciences Statistics		
PSYC 104	Statistics for Behavioral Science	4
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
Sociology		
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
SOCI 102	Contemporary Social Problems	3
SOCI 103	Social Psychology	3
or PSYC 103	Social Psychology	
SOCI 105	Introduction to Justice Studies	3
SOCI 120	Introduction to Women's Studies	3
SOCI 130	Introduction to Gender Studies	3
SOCI 140	Introduction to LGBT Studies	3
SOCI 145	Psychology/Sociology of the Family	3
or PSYC 145	Psychology/Sociology of the Family	
SOCI 205	Introduction to Research Methods in Sociology	3
SOCI 207	Race and Ethnic Relations	3
or ETHN 207	Race and Ethnic Relations	
SOCI 250	Introduction to Pacific Studies	3

Library Science

The goal of the Library Science Program is to ensure students have the information literacy and critical thinking skills needed to succeed at MiraCosta College and for the next phases of their academic, professional, and personal lives. Essential skills include the ability to:

- Recognize when information is needed and develop a plan to find it

- Find, access, and evaluate information from a variety of sources
- Effectively and ethically use and share information
- Apply the information gathered.

Contact Information

Chair: Lauren McFall
Dean: Zhenya Lindstrom
www.miracosta.edu/LIBR (http://www.miracosta.edu/LIBR)

Department: Library Science
Office: Building OC1200, 760.634.7836

Full-Time Faculty

Steven Deineh
Richard Ma
Lauren McFall
Jennifer Paris
Glorian Sipman
Virginia Velati Tirona

Courses

LIBR 101: Introduction to Library Research
Units: 1
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in INTR 100.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This hands-on course in college-level research provides students with a basic understanding of library research methods and the skills by which they can find, organize, evaluate, and cite sources effectively and ethically. These skills help students become strong researchers and life-long learners. Students are introduced to the variety of information resources and information retrieval tools available through academic libraries, with an emphasis on online resources.

LIBR 201: Media & Information Literacy
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in LIBR 201H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course explores the evolving media landscape and how technology, manipulation, and bias shape online behavior. Students develop information literacy skills in order to deconstruct media messages, conduct specialized research, critically evaluate information, and use information ethically. Topics include artificial intelligence, misinformation, digital citizenship, consumerism, and privacy. UC CREDIT LIMITATION: Credit for LIBR 201 or LIBR 201H.

LIBR 201H: Media & Information Literacy (Honors)
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in LIBR 201.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall odd yrs, Summer

This honors course explores the evolving media landscape and how technology, manipulation, and bias shape online behavior. Students develop information literacy skills in order to deconstruct media messages, conduct specialized research, critically evaluate information, and use information ethically. Topics include artificial intelligence, misinformation, digital citizenship, consumerism, and privacy. 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: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Linguistics

Linguistics is the study of the nature and structure of human speech.

Contact Information

Chair: Jade Hidle
Dean: Lauren Halsted
https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/linguistics/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/linguistics/)

Department: Letters
Office: San Elijo, Building SAN1100, 760.795.6841

Full-Time Faculty

Dara Perales

Courses

LING 110: English Language Structure and Function
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course familiarizes students with the grammatical patterns of English syntax. Using traditional grammatical terminology, students learn to identify the parts of speech of words in written and orally produced sentences, analyze the structure of phrases and clauses, integrate sentences into their logical and rhetorical contexts, and identify and understand sources of sentence-level writing concerns.

Literature

Literature courses guide students to examine the intersectional relationships between history, culture, and literary movements. Through the exploration of various literary genres and fundamentals of literary analysis, students also engage the power of storytelling rooted in social and cultural traditions.

Students who pursue bachelor's degrees in literature seek to enrich their lives and the lives of others with empathy and a nuanced sensitivity to a wide range of cultural perspectives. Potential career paths include lawyer, community organizer, nurturing parent, public servant, teacher, social worker, medical doctor, artist, effective citizen of the world, and college/university professor.

Academic and Career Pathway

Languages, Communication, and Humanities (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/)

Contact Information

Chair: Jade Hidle
Dean: Lauren Halsted
https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/literature/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/literature/)

Department: Letters
Office: San Elijo, Building SAN1100, 760.795.6841

Full-Time Faculty

Daniel Ante-Contreras
Anthony Burman
Zulema Diaz
Maria Figueroa
Jade Hidle
José Jara
John Kirwan
Curry Mitchell
Dara Perales
JahB Prescott
Aaron Roberts
Violeta Sanchez
Jim Sullivan
Chad Tsuyuki

Courses

LIT 100: Introduction to Chicano Chicana Literature
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course introduces the literary, social, historical, and cultural aspects of the novel, short story, poetry, testimonio, drama, and oral traditions created by Chicano Chicana writers. Students engage an intersectional critical lens to deepen their understanding of the Chicana Chicano literary tradition.

LIT 122: Introduction to African American Literature
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This introduction to African American literature emphasizes how African American writers have expanded the traditional American literary canon. The course examines issues between, race, ethnicity, and writing as an African American from slavery until the present. Students read a variety of genres, literary and extra-literary, including poetry, fiction (both the novel and shorter fiction), belle lettres, sermons, and speeches.

LIT 250: American Literature: First Contact Through the Civil War
Units: 3
Prerequisites: ESL 150 or eligibility determined by the English placement process.
Advisory: ENGL C1000
Enrollment Limitation: Not open to students with prior credit in LIT 250H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course explores American writers and significant literary movements and themes from the oral and literary narratives of Native peoples to the nation-building literary projects of the Civil War. In this course, students problematize what has been commonly defined as "American literature" by exploring diverse authors and genres. Genres may include oral histories, slave narratives, abolitionist writings, protest literature, and popular print culture. C-ID ENGL-130.

LIT 251: American Literature: Mid-1800s to the Present
Units: 3
Prerequisites: ESL 150 or eligibility determined by the English placement process.
Advisory: ENGL C1000
Enrollment Limitation: Not open to students with prior credit in LIT 251H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course examines various literary genres and oral histories that narrate the complex social transformations of the 19th century to the present within local and globalized contexts. Using an interdisciplinary approach, this survey course seeks to expose students to a wide range of U.S. authors that examine the paradox between ideas of nationhood and a sense of belonging. Students learn to make distinctions between the wide range of literary and intellectual movements that influenced localized forms of storytelling, popular fiction, performance texts, and other cultural productions. C-ID ENGL-135.

LIT 260: English Literature Through the 18th Century
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in LIT 260H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course surveys writers in English literature from the Anglo-Saxon era to the eighteenth century. It covers works of at least two of the three most influential writers in the language (Chaucer, Shakespeare, Milton) as well as their historical and cultural backgrounds. Students read plays; epic, religious, romantic, and satiric poetry; ballads; and non-fiction prose, including essays and biography. Eras include medieval, Renaissance, and Enlightenment. C-ID ENGL-160.

LIT 261: English Literature: Romantic to Contemporary
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in LIT 261H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course surveys major writers in English literature from the late 18th to the 21st century. It covers some of the best-known poetry, essays, drama, and prose fiction written in modern English as well as the historical and cultural backgrounds of these works. Eras include romantic, Victorian, modern, post-colonial, and postmodern. C-ID ENGL-165.

LIT 265: Shakespeare Studies
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in LIT 265H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

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.

LIT 270: World Literature to 1600
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in LIT 270H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course surveys world literature–including the Middle East, Asia, Africa, Europe, and the Americas–from the ancient period up to the 1600s. Students study the selected literature for its expression of the human experience and for its generation of cultural and artistic values. C-ID ENGL-140.

LIT 271: World Literature Since 1600
Units: 3
Prerequisites: None
Advisory: ENGL C1000
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course surveys world literature–the Middle East, Asia, Africa, Europe, Australia, and the Americas–from the 1600s up to the present. Students study the selected literature for its expression of the human experience and for its generation of cultural and artistic values. C-ID ENGL-145.

LIT 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Mathematics

By learning mathematics, students develop their reasoning abilities and problem-solving skills. Understanding numbers and shapes, formulas and processes, and chances and algorithms sets the foundation for students to succeed in other sciences and to better understand the world around them. The department's implementation of equitable practices helps ensure students' needs as learners are met. Math faculty are devoted to the teaching of mathematics and want to spread their excitement about this mighty discipline to students and the community.

Mathematics, the abstract, deductive study of pattern and structure, is the foundation of all science and technology programs, such as biological, physical, computer, behavioral, and social sciences as well as engineering. Areas of mathematics include arithmetic, algebra, geometry, calculus, and various other theoretical and applied subjects.

Students take mathematics courses to prepare for a mathematics major, to meet prerequisites in related disciplines, or to fulfill general education requirements. A bachelor's degree in mathematics can lead to a career in a computer-related field or as an actuary, accountant, mathematician, statistician, or teacher.

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Contact Information

Chair: Leila Safaralian
Dean: Lauren Halsted
https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/mathematics/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/mathematics/)

Department: Mathematics
Office: San Elijo, Building SAN1100, 760.795.6841

Full-Time Faculty

Janeen Apalatea
Angela Beltran
David Bonds
Keith Dunbar
Scott Fallstrom
Shawn Firouzian
Mary Beth Headlee
Mark Laurel
Apolinar Mariscal
Serena Mercado
Shannon Myers
Lemee Nakamura
Zikica Perovic
Beth Powell
Leila Safaralian

Associate Degrees

Associate in Science Degree

Data Science

Data science (DS) is an interdisciplinary field that uses scientific methods, processes, algorithms, and systems to extract knowledge and insights from data. The DS program focuses on fundamental ideas of computer science, applied mathematics, statistics, optimization, and data visualization while incorporating real-world examples. Computational, programming, and numerical approaches are constantly changing and critical to ongoing research, data-driven decision-making, and successful ongoing employment.

This program provides students with versatile skills that encompass higher levels of critical thinking and analysis related to data sets. It is designed to give students a broad overview of the field of data science, including mathematics and computational tools, to explore a broad range of data sets in multiple contexts, and prepare them to transfer to a Bachelor of Science in Data Science program at a four-year university. Graduates will have a basic skill set linking computer programming and computer science with theoretical mathematics and applications to be able to easily integrate into a four-year program.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to analyze problems and data sets, evaluate mathematical expressions, utilize programming tools, and interpret and apply the results.

Required courses:		
Data Science Course (choose one)		3-4
MATH 110	Principles of Data Science	
CSIT 123	Introduction to Data Analytics	
Mathematical Courses		

MATH C2210	Calculus I: Early Transcendentals	5
or MATH C2210E	Calculus I: Early Transcendentals - Embedded Support	
or MATH C2210H	Calculus I: Early Transcendentals - Honors	
MATH C2220	Calculus II: Early Transcendentals	4
MATH 270	Linear Algebra	4
MATH 260	Calculus and Analytic Geometry III *	4
or MATH 265	Differential Equations	
Computer Science Foundations		6
Choose two courses from either Java Based or Python Based.		
Java Based Courses		
CS 112 & CS 113	Introduction to Computer Science II: Java and Basic Data Structures and Algorithms	
Python Based Courses		
CS 138 & CS 139	Programming with Python and Advanced Programming with Python	
Total Units		**26-27**

Associate in Science Degree

Mathematics for Transfer 2.0

Students completing this associate degree will have completed lower-division major preparation requirements for a mathematics degree, an emphasis or option within a mathematics degree, or a degree considered similar to mathematics at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a mathematics major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to analyze problems, evaluate expressions, and interpret and apply the results.

Course Requirements

Required Core:

MATH C2210	Calculus I: Early Transcendentals	5-7
or MATH C2210E	Calculus I: Early Transcendentals - Embedded Support	
or MATH C2210H	Calculus I: Early Transcendentals - Honors	
MATH C2220	Calculus II: Early Transcendentals	4
MATH 260	Calculus and Analytic Geometry III	4
MATH 265	Differential Equations	4
MATH 270	Linear Algebra	4
List A: Select one course.		3-4
CS 111	Introduction to Computer Science I: Java	
CS 150	C++ Programming	
PHYS 151	Principles of Physics I	
Total Units		**24-27**

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.

Mathematics Courses

MATH C2210: Calculus I: Early Transcendentals
Units: 5
Prerequisites: Precalculus, or college algebra and trigonometry, or equivalent or placement as determined by colleges multiple measures assessment process.
Enrollment Limitation: Not open to students with prior credit in MATH 150/150H/150S/C2210E/C2210H.
Acceptable for Credit: CSU, UC
Lecture 5 hours.
Course Typically Offered: Fall, Spring, and Summer

A first course in differential and integral calculus of a single variable. Topics include limits and continuity of functions, techniques and applications of differentiation, an introduction to integration, and the Fundamental Theorem of Calculus. This course is primarily intended for Science, Technology, Engineering, and Mathematics (STEM) majors. Formerly Math 150. UC CREDIT LIMITATION: Credit for MATH 115, MATH 150, MATH 150H, MATH 150S, MATH C2210, MATH C2210E or MATH C2210H. C-ID MATH-211.

MATH C2210E: Calculus I: Early Transcendentals - Embedded Support
Units: 7
Prerequisites: Pre-calculus, or college algebra and trigonometry, or equivalent or placement as determined by colleges multiple measures assessment process.
Enrollment Limitation: Not open to students with prior credit in MATH 150/150H/150S/C2210/CC210H.
Acceptable for Credit: CSU, UC
Lecture 7 hours.
Course Typically Offered: Fall, Spring

A first course in differential and integral calculus of a single variable. Topics include limits and continuity of functions, techniques and applications of differentiation, an introduction to integration, and the Fundamental Theorem of Calculus. This course is primarily intended for Science, Technology, Engineering, and Mathematics (STEM) majors. This course includes embedded support. Utilizing a just-in-time approach, the course provides additional support and reviews topics from precalculus. Formerly Math 150S. UC CREDIT LIMITATION: Credit for MATH 115, MATH 150, MATH 150H, MATH 150S, MATH C2210, MATH C2210E or MATH C2210H.

MATH C2210H: Calculus I: Early Transcendentals - Honors
Units: 5
Prerequisites: Pre-calculus, or college algebra and trigonometry, or equivalent, or placement as determined by the colleges multiple measures assessment process
Enrollment Limitation: Not open to students with prior credit in MATH 150 or MATH 150S.
Acceptable for Credit: CSU, UC
Lecture 5 hours.
Course Typically Offered: Fall or Spring

A first course in differential and integral calculus of a single variable. Topics include limits and continuity of functions, techniques and applications of differentiation, an introduction to integration, and the Fundamental Theorem of Calculus. This course is primarily intended for Science, Technology, Engineering, and Mathematics (STEM) majors. This is an honors course. The course provides 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. Formerly Math 150H. UC CREDIT LIMITATION: Credit for MATH 115, MATH 150, MATH 150H, MATH 150S, MATH C2210, MATH C2210E, or MATH C2210H. C-ID MATH-211.

MATH C2220: Calculus II: Early Transcendentals
Units: 4
Prerequisites: MATH C2210, MATH C2210E, MATH C2210H, or or equivalent, or placement as determined by the college's multiple measures assessment process.
Enrollment Limitation: Not open to students with prior credit in MATH 155 or MATH 155H.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring, and Summer

A second course in differential and integral calculus of a single variable. Topics include applications of integration, techniques of integration, infinite sequences and series, and the calculus of parametric and polar equations. This course is primarily intended for Science, Technology, Engineering, and Mathematics (STEM) majors. Formerly Math 155. UC CREDIT LIMITATION: Credit for MATH 155, MATH 155H, or MATH C2220.

MATH 102: Math Fundamentals: Mathematics for Life
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers the fundamentals of logic, including fallacies, inductive and deductive reasoning, conditional statements, and the evaluation of arguments; the basic ideas of finance, including simple and compound interest, amortized loans, and retirement accounts; ideas of probability and applications of probability to realistic situations; and problem solving. The course provides students with a strong foundation in quantitative reasoning and mathematical concepts applicable to everyday life situations and long-term decision-making strategies.

MATH 102A: Mathematics for Life
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

The course provides students with a strong foundation in quantitative reasoning and mathematical concepts applicable to everyday life situations and long-term decision-making strategies. This course covers linear and exponential equations and the basic ideas of finance, including simple and compound interest, amortized loans, and retirement accounts. Elementary probability theory to calculate the likelihood of events and descriptive statistics are used to organize and make sense of data sets.

MATH 110: Principles of Data Science
Units: 4
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course combines an introductory look into the fundamental skills and concepts of computer programming and inferential statistics with hands-on experience analyzing datasets using common tools within the industry. Additionally, the course investigates ethical issues surrounding data science, such as data privacy.

MATH 112: Algebraic Concepts for Problem Solving
Units: 4
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring, and Summer

This course uses algebraic concepts to solve applied problems. It addresses application problems that incorporate linear, quadratic, polynomial, rational, exponential, and logarithmic functions. The course covers some applied modeling, including break even analysis, market equilibrium, linear modeling, and exponential growth, decay, and their models. The course also addresses mathematical topics such as optimization, rates of change, and linear systems.

MATH 115: Calculus with Applications
Units: 5
Prerequisites: Knowledge, skills, and abilities at the intermediate algebra level as determined by the math placement process.
Enrollment Limitation: Not open to students with prior credit in MATH 115S.
Acceptable for Credit: CSU, UC
Lecture 5 hours.
Course Typically Offered: Fall, Spring, and Summer

This course relates calculus to real-world applications in social science, economics, and business. Topics include an extensive and just-in-time algebra review, graphing, limits, derivatives of polynomials of one variable, maxima and minima, integration, derivatives of logarithmic and exponential functions, development of integration techniques, an introduction to multi-variable calculus, and their application to problems. This course is designed primarily for students majoring in social science, economics, and business who require calculus and is not recommended for mathematics, physical science, engineering, or biological science majors. UC CREDIT LIMITATION: Credit for MATH 115, MATH C2210, MATH C2210H, MATH 150, or MATH 150H. C-ID MATH-140.

MATH 126: Pre-Calculus I: College Algebra
Units: 4
Prerequisites: Knowledge, skills, and abilities at the intermediate algebra level as determined by the math placement process.
Enrollment Limitation: Not open to students with prior credit in MATH 126S.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers advanced algebra topics including functions and their properties. Topics include linear, quadratic, polynomial, rational, exponential, and logarithmic functions and their applications, graphs of functions, inverse functions, and systems of equations and inequalities. UC CREDIT LIMITATION: Credit for one college algebra or pre-calculus course, MATH 126, MATH 126S or MATH 131.

MATH 126S: Pre-Calculus I: College Algebra with Integrated Support
Units: 5
Prerequisites: Knowledge, skills, and abilities at the intermediate algebra level as determined by the math placement process.
Enrollment Limitation: Not open to students with prior credit in MATH 126.
Acceptable for Credit: CSU, UC
Lecture 5 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers advanced algebra topics including functions and their properties. Topics include one unit of intermediate algebra review, linear, quadratic, polynomial, rational, exponential, and logarithmic functions and their applications, graphs of functions, inverse functions, and systems of equations and inequalities. UC CREDIT LIMITATION: Maximum credit MATH 126S 4 units. Credit for one college algebra or pre-calculus course, MATH 126, MATH 126S or MATH 131.

MATH 131: Pre-Calculus II: Trigonometry and Analytic Geometry
Units: 4
Prerequisites: MATH 126, MATH 126S, or eligibility determined by the math placement process.
Enrollment Limitation: Not open to students with prior credit in MATH 131H.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers basic concepts of analytic geometry and trigonometry, including definitions and properties of trigonometric functions. Topics include solutions of applied problems involving right triangles; graphs of trigonometric functions; trigonometric identities; trigonometric equation solving; evaluation of inverse trigonometric functions, polar coordinates, and vectors. The course also covers conics, systems of non-linear equations, and sequences and series. UC CREDIT LIMITATION: Credit for one college algebra or pre-calculus course, MATH 126, MATH 126S, MATH 131, or MATH 131H.

MATH 131L: Trigonometry and Analytic Geometry Laboratory
Units: 1
Prerequisites: MATH 126 or MATH 126S, and concurrent enrollment in MATH 131.
Acceptable for Credit: CSU
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This optional laboratory course is for students concurrently enrolled in MATH 131. Students work with others to integrate key topics from Precalculus I that are necessary for and connect to the concepts in Precalculus II.

MATH 135: Precalculus Mathematics
Units: 6
Prerequisites: Knowledge, skills, and abilities at the intermediate algebra level as determined by the math placement process.
Enrollment Limitation: Not open to students with prior credit in MATH 126, MATH 126S, MATH 131, or MATH 131H.
Acceptable for Credit: CSU, UC
Lecture 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers functions and their properties as well as basic concepts of analytic geometry and trigonometry. Topics include linear, quadratic, polynomial, rational, trigonometric, inverse trigonometric, exponential, and logarithmic functions; systems of equations and inequalities; solving applied problems with right triangles; trigonometric identities; polar coordinates; conics; vectors; and sequences and series. This course prepares students for MATH C2210/MATH C2210H.

MATH 150L: Calculus and Analytic Geometry I Laboratory
Units: 1
Prerequisites: Knowledge, skills, and abilities at the elementary algebra level as determined by the math placement process and concurrent enrollment in MATH C2210.
Acceptable for Credit: CSU
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This laboratory course is for students concurrently enrolled in MATH C2210. Students work with others to explore algebra and trigonometric topics necessary for success in Calculus I.

MATH 155L: Calculus and Analytic Geometry II Laboratory
Units: 1
Prerequisites: MATH C2210, MATH C2210E, MATH C2210H or concurrent enrollment in MATH C2220.
Acceptable for Credit: CSU
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This optional laboratory course is for students concurrently enrolled in MATH C2220. Students work with others to integrate key topics from Calculus I that are necessary for and connect to the concepts in Calculus II.

MATH 210: Mathematical Concepts and Structures for Teachers I: Number Systems and Number Sense
Units: 4
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course covers set theory, problem-solving, systems of numeration, elementary number theory, numerical operations, and arithmetic algorithms. It emphasizes cognitive learning and the development of problem-solving strategies and techniques as well as connections to algebra and algebraic thinking. Students work collaboratively in groups and/or independently using manipulatives and models to explore structures and formulate concepts. It is required for students working toward a multiple subject credential in elementary education. Formerly MATH 105. UC CREDIT LIMITATION: Credit for MATH 105, MATH 106, MATH 210, or MATH 212.

MATH 212: Mathematical Concepts and Structures for Teachers II: Algebra, Geometry, Measurement, and Reasoning
Units: 4
Prerequisites: MATH 210
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Spring

This continuation of MATH 210 covers the mathematical concepts needed for teaching elementary school mathematics. Core topics include solving equations with algebra and graphs of linear functions, geometry and geometric proofs, Pythagorean theorem, measurement in both the English and metric systems, transformations, and symmetry. Students must demonstrate their understanding of the algebraic and geometric concepts and structures using critical thinking. It is required for students working toward a multiple-subject credential in elementary education. (Formerly MATH 106). UC CREDIT LIMITATION: Credit for MATH 105, MATH 106, MATH 210, or MATH 212.

MATH 226: Discrete Mathematics
Units: 4
Prerequisites: MATH C2210, MATH C2210E, MATH C2210H, or CS 150.
Enrollment Limitation: Not open to students with prior credit in MATH 226H.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring

Designed for students majoring in mathematics or computer science, this course introduces discrete mathematics, including logic, methods of proof, number theory, sets, counting, discrete probability, relations, recursion, recurrence relations, Boolean algebra, graphs, trees, and networks. Topics are illustrated with applications to computer science, including design and analysis of algorithms, undecidability, program correctness, and digital logic design.

MATH 260: Calculus and Analytic Geometry III
Units: 4
Prerequisites: MATH C2220.
Enrollment Limitation: Not open to students with prior credit in MATH 260H.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This third course in a three-semester calculus sequence covers vectors in two- and three-dimensional space, quadratic surfaces, vector-valued functions of several variables, partial differentiation and multiple integration, vector fields, line integrals, and conservative fields. The course is designed for mathematics, science, and engineering majors. UC CREDIT LIMITATION: Credit for MATH 260 or MATH 260H. C-ID MATH-230.

MATH 265: Differential Equations
Units: 4
Prerequisites: MATH C2220.
Enrollment Limitation: Not open to students with prior credit in MATH 265H.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring

This course introduces the theory and applications of ordinary differential equations of first and higher (mostly second) order as well as systems of linear differential equations. It includes both quantitative and qualitative methods. The course deals with theoretical aspects of existence and uniqueness of solutions as well as techniques for finding solutions using analytical, numerical, method of power-series, and Laplace transformations. UC CREDIT LIMITATION: Credit for MATH 265 or MATH 265H. C-ID MATH-240.

MATH 270: Linear Algebra
Units: 4
Prerequisites: MATH C2220
Enrollment Limitation: Not open to students with prior credit in MATH 270H.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring

This course introduces students to the concepts of linear algebra. Topics include matrix algebra, Gaussian elimination, determinants of a matrix, properties of determinants, vector spaces and their properties with an introduction to proofs, linear transformations, orthogonality, eigenvalues and eigenvectors, and computational methods. UC CREDIT LIMITATION: Credit for MATH 270 or MATH 270H. C-ID MATH-250.

MATH 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Statistics Courses

STAT C1000: Introduction to Statistics
Units: 4
Prerequisites: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of int. algebra. Not open to students with prior credit in MATH 103/103H/103S or STAT C1000H/C1000E.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. UC CREDIT LIMITATION: Credit for BTEC 180, BUS 204, PSYC 104, PSYC 104H, SOC 125, STAT C1000, STAT C1000E, or STAT C1000H. Some CSU campuses may also impose this credit limitation. (Formerly MATH 103). C-ID MATH-110.

STAT C1000E: Introduction to Statistics (Embedded Support)
Units: 5
Prerequisites: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of int. algebra. Not open to students with prior credit in MATH 103/103H/103S or STAT C1000/C1000H.
Acceptable for Credit: CSU, UC
Lecture 4.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. This course has embedded support. (Formerly MATH 103S). UC CREDIT LIMITATION: Credit for BTEC 180, BUS 204, PSYC 104, PSYC 104H, SOC 125, STAT C1000, STAT C1000E, or STAT C1000H.

STAT C1000H: Introduction to Statistics (Honors)
Units: 4
Prerequisites: Placement as determined by the college's multiple measures assessment process or completion of a course taught at or above the level of int. algebra. Not open to students with prior credit in MATH 103/103H/103S or STAT C1000/C1000E.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Spring odd years

This course is an introduction to statistical thinking and processes, including methods and concepts for discovery and decision-making using data. Topics include descriptive statistics; probability and sampling distributions; statistical inference; correlation and linear regression; analysis of variance, chi-squared, and t-tests; and application of technology for statistical analysis including the interpretation of the relevance of the statistical findings. Students apply methods and processes to applications using data from a broad range of disciplines. This is an honors course. This honors course gives students the opportunity to obtain a higher level of understanding on topics currently available in STAT C1000. It emphasizes logical reasoning, problem-solving, and applications. UC CREDIT LIMITATION: Credit for BTEC 180, BUS 204, PSYC 104, PSYC 104H, SOC 125, STAT C1000, STAT C1000E, or STAT C1000H. (Formerly MATH 103H). C-ID MATH-110.

Media Arts & Technologies

The Media Arts & Technologies program provides a focused sequence of courses for students who wish to transfer to a four-year institution or gain employment in the fields of graphic design, web and interactive design, video production, product design, animation, digital media, and print and digital production and delivery.

Career options include graphic design, user interface (UI) design, user experience (UX) design, web design, web development, multimedia programming, video editing, video production, product design, media content development, information architecture, graphics production, and layout design.

Specific career positions include graphic designer, product designer, web designer, video editor, web developer, software developer, user interface (UI) designer, user experience (UX) designer, interactive designer, art production assistant, video production assistant, special effects artist, production artist, product modeler, product animator, illustrator, and storyboard artist.

Academic and Career Pathway

Creative and Applied Arts (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/)

Contact Information

Chair: Min Choi
Dean: Jonathan Fohrman
https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/media-arts-and-technologies/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/media-arts-and-technologies/)

Department: Media Arts and Technologies
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Min Choi
Karl Cleveland
Leigh Cotnoir

Associate Degrees

Associate in Arts Degrees

Graphic Design

Web Development and Design

Students may earn one of the above-named associate degrees by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 73)). Students should meet with a MiraCosta College counselor to identify required courses and to develop a written educational plan for the specific degree or certificate they wish to earn.

Certificates

Certificate of Achievement

Graphic Design

This certificate provides students with the design and technical skills needed to gain employment in the graphic design field with organizations and small businesses that design and

distribute publications in both print and digital media. Students who complete this certificate will also be prepared to work as freelancers or pursue a graphic design degree at a four-year university. Students learn principles and professional practices in graphic design and publishing using current computer software applications as well as concept development through project planning and management. Employment opportunities include graphic designer, graphic artist, imaging specialist, photographic assistant, layout artist, and graphic production assistant.

Program Student Learning Outcome

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.

Course Requirements

Foundation courses (15 units):		
MAT 110	Digital Imaging 1: Adobe Photoshop	3
MAT 120	Media Design 1: Production	3
MAT 125	Web Design 1: Fundamentals	3
MAT 135	Graphic Design 1: Principles	3
MAT 155	Graphic Design 2: Typography	3
Emphasis courses (select 12 units):		12
At least 6 units must be at the 100-level and at least 3 units must be at the 200-level selected from the courses below.		
MAT 145	UI/UX Design	
MAT 170	Digital Illustration 1: Adobe Illustrator	
MAT 180	Digital Publishing: Adobe InDesign	
MAT 185	Graphic Design 3: Design and Layout	
MAT 210	Advanced Digital Imaging & Illustration	
MAT 230	Advanced Publishing: Output for Print	
MAT 270	Advanced Design Studio	
Elective courses:		
Students may substitute 3 units from these elective courses below in lieu of 3 units from the emphasis courses listed above.		
MAT 105	History of Graphic Design	
MAT 150	Animation and Interactivity	
MAT 292	Internship Studies	
Required to graduate (3 units):		3
MAT 290	Portfolio Development	
Total Units		**30**

Note: MAT 292 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 and edit video and digital media content for broadcast, cable, web, mobile and social media delivery, as well as for dedicated computer presentations. Students gain skills in all phases of video production, 3D and traditional animation techniques, special effects, audio, interactive media, and project management. Employment opportunities include videographer, video editor, producer, video production assistant, video technician, camera operator, animator, special effects artist, motion graphics designer, and social media content producer.

Program Student Learning Outcome

Upon completion of this program, the student will be able to plan, design, and produce professional-level videos, animations, effects, interfaces, applications, or experiences that integrate multiple media types, utilize appropriate tools and techniques, and demonstrate effective communication solutions.

Course Requirements

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 Modeling and Animation: Maya	
MAT 150	Animation and Interactivity	
MAT 190	Programming for Animation, Interactivity, and Games	
MAT 200	Video 2: Motion Graphics and Post-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.		
ART 251	Digital Photography	
FILM 101	Introduction to Film	
or FILM 101H	Introduction to Film (Honors)	
FILM 112	Film History II: 1948-Present	
MAT 292	Internship Studies	
MTEC 125	Sound for Visual Media	
Required to graduate (3 units):		3
MAT 290	Portfolio Development	
Total Units		**30**

Note: MAT 292 may be substituted for courses within this certificate with approval of the MAT Program Director.

Certificate of Achievement

Web Development and Design

This certificate trains students in the skills necessary to gain employment in the dynamic field of web and interactive media content design, development, and delivery. Students gain skills in all phases of website design, including site planning and information architecture, user experience design (UX), user interface (UI) and graphic design, content management,

web programming and production, animation and motion graphics, audio and video integration, and designing for interactivity. Employment opportunities include web designer, web developer, web producer, front end developer, interaction designer, interactive developer, UI designer, UX designer, UX engineer, production assistant, information architect, mobile content designer, creative director, and project manager.

Program Student Learning Outcome

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.

Course Requirements

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: WordPress and Site Production	3
Emphasis courses (select 12 units):		12
At least 3 units must be advanced 200-level courses.		
MAT 145	UI/UX Design	
MAT 150	Animation and Interactivity	
MAT 175	Web Design: JavaScript and jQuery	
MAT 190	Programming for Animation, Interactivity, and Games	
MAT 225	Web Design 3: Custom Sites and Professional Practices	
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	
CSIT 146	E-Commerce and Web Presence	
CSIT 155	Social Media for Business	
MAT 292	Internship Studies	
Required to graduate (3 units):		3
MAT 290	Portfolio Development	
Total Units		**30**

Note: MAT 292 may be substituted for courses within this certificate with approval of the MAT Program Director.

Certificate of Proficiency

Digital Imaging and Illustration

This certificate provides students with a focused foundation in digital imaging and illustration, including the opportunity to develop useful analog process skills. It includes core classes that address imaging and illustration industry-relevant occupational learning and skill-building as they pertain to graphic arts, marketing, interactive design, animation, multimedia, and related fields. It is designed for students seeking strong digital imaging and illustration skills for their current or future jobs while taking a sequence of courses that also counts toward the certificate of achievement and associate degree programs offered by the department.

Program Student Learning Outcomes

Upon successful completion of this program, students will be able to demonstrate proficiency with digital imaging and illustration tools, techniques, and processes.

Required courses:		
MAT 110	Digital Imaging 1: Adobe Photoshop	3
MAT 170	Digital Illustration 1: Adobe Illustrator	3
MAT 210	Advanced Digital Imaging & Illustration	3
Elective Courses:		
Select 3 units (one course) from the following:		3
ART 100	Drawing and Composition	
ART 210	Printmaking I	
ART 251	Digital Photography	
Total Units		**12**

Certificate of Proficiency

Digital Media Foundations

This certificate provides students with a broad-based foundation in media arts. It includes core classes in the areas of digital imaging, graphic design, web design, and video and media production. It is designed for students seeking stronger digital literacy and media design skills for their current or future jobs. It also allows students to gain broad exposure to the varying disciplines within media arts while taking a sequence of courses that counts toward the certificate of achievement and associate degree programs offered by the department.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to demonstrate proficiency with digital media production tools and design techniques.

Course Requirements

Required courses:		
MAT 110	Digital Imaging 1: Adobe Photoshop	3
MAT 120	Media Design 1: Production	3
MAT 125	Web Design 1: Fundamentals	3
MAT 135	Graphic Design 1: Principles	3
Total Units		**12**

Certificate of Proficiency

Digital and Print Publishing

This certificate provides focused skills necessary to gain employment in the field of digital and print publishing. Students gain specific skills in graphic design, image manipulation, page layout, digital illustration, and preparation for final output. Graduates of this program are able to move into employment opportunities as graphic artists, digital imaging assistants, layout artists, and graphic production assistants. In addition, students majoring in English who are transferring to a four-year university gain the skills necessary for self-publishing their written work.

Program Student Learning Outcome

Upon completion of this program, students will be able to demonstrate proficiency with digital imaging and print publishing tools and techniques.

Course Requirements

Required courses:		
MAT 110	Digital Imaging 1: Adobe Photoshop	3
MAT 170	Digital Illustration 1: Adobe Illustrator	3
MAT 180	Digital Publishing: Adobe InDesign	3
MAT 230	Advanced Publishing: Output for Print	3
or MAT 155	Graphic Design 2: Typography	
Total Units		**12**

Certificate of Proficiency

Graphic Communication

This certificate forms a solid foundation in graphic design proficiency. These skills are essential in all types of visual media where a message must be conveyed to a specific target market. This certificate is designed to be completed in conjunction with other MAT certificates to enhance a student's ability to create more effective and dynamic communication or for professionals who would like to enhance their job skills.

Program Student Learning Outcome

Upon completion of this program, students will be able to demonstrate proficiency with graphic design principles and techniques.

Course Requirements

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

UI/UX Design

This certificate emphasizes user-centered design, digital interface development, and human-computer interaction, while integrating core principles from both graphic design and web design. Students develop skills in visual design, typography, and layout, and also gain experience with design thinking, user research, and information architecture. The program further builds proficiency in interface design, prototyping, and web production—offering a unique blend of creative and technical training. Students learn to design effective digital experiences for websites, apps, and other screen-based media, preparing for opportunities in the growing field of UI/UX design. The certificate may be completed on its own or stacked with other Media Arts and Technologies certificates to support broader educational or professional goals.

Program Student Learning Outcome

Upon completion of this program, students will be able to plan, design, and produce digital interfaces that apply user-centered design principles and demonstrate effective visual design and interaction strategies.

Required courses:		
MAT 125	Web Design 1: Fundamentals	3
MAT 135	Graphic Design 1: Principles	3
MAT 145	UI/UX Design	3
MAT 155	Graphic Design 2: Typography	3
MAT 165	Web Design 2: WordPress and Site Production	3
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

Upon completion of this program, students will be able to demonstrate proficiency with video and animation production tools and techniques.

Course Requirements

Required courses:		
MAT 140	3D Modeling and Animation: Maya	3
MAT 150	Animation and Interactivity	3
MAT 160	Video 1: Production	3
MAT 200	Video 2: Motion Graphics and Post-Production	3
Total Units		**12**

Certificate of Proficiency

Web Design

This certificate provides the focused skill set necessary to gain employment in website design. Depending on which courses are selected, students gain specific skills in web markup, web programming and production, graphics production, web animation techniques, UI and UX design, content management, and website planning and architecture. Graduates of this program will be able to move into employment opportunities in web design, web development, interactive design, content development, user interface (UI) design, and user experience (UX) engineering.

Program Student Learning Outcome

Upon completion of this program, students will be able to demonstrate proficiency with web design and development tools and techniques.

Course Requirements

Required courses:		
Five of the following:		15

CSIT 146	E-Commerce and Web Presence
MAT 125	Web Design 1: Fundamentals
MAT 145	UI/UX Design
MAT 150	Animation and Interactivity
MAT 165	Web Design 2: WordPress and Site Production
MAT 175	Web Design: JavaScript and jQuery
MAT 190	Programming for Animation, Interactivity, and Games
MAT 225	Web Design 3: Custom Sites and Professional Practices
Total Units	**15**

Courses

MAT 105: History of Graphic Design
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

The course surveys the origin and evolution of graphic design from the nineteenth century to the present day. It explores the development and influence of graphic communication through genre, design, style, and format from historical, multicultural, and global perspectives. Topics include the influence of art and technology on graphic design, types of graphic representation, significant historical design movements, and the importance of graphic design in contemporary culture and a global economy.

MAT 110: Digital Imaging 1: Adobe Photoshop
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This foundation course introduces students to the aesthetic, technical, and conceptual practices of digital imaging. Students use Adobe Photoshop to edit imagery and create artwork and graphic designs for print or web output. Students generate artwork that involves photo editing, tonal and color correction, masking, layer adjustments, painting techniques, blending, and advanced compositing. Through hands-on instruction and multiple projects, students explore efficient workflows, professional practices, layout and design techniques, typography, application of color, and more.

MAT 120: Media Design 1: Production
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This course introduces the fundamental skills needed for the design and production of multimedia projects. Topics include effective messaging and storyboarding, capturing and editing media assets, creating short-form video and motion graphics, and utilizing basic 3D concepts. The course also covers digital media presentation formats, services, platforms, and media rights as well as project file management.

MAT 125: Web Design 1: Fundamentals
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces the fundamentals of creating webpages through an integrated design-and-development approach. Primary topics include user interface design, foundational HTML and CSS, and an introduction to using web content management system (CMS) software such as WordPress. Students will learn principles and techniques for layout design, wireframing, image optimization, web typography, responsive design, and how to implement these concepts through both hand-coded websites and content management systems.

MAT 135: Graphic Design 1: Principles
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course introduces the visual communication principles and concepts of successful graphic design. Topics include form, color palettes, text/image relationships, typography, grid structures, and layout design. The course develops and refines each student's personal design sensibility by applying appropriate and conceptual design thinking within cultural and historical contexts.

MAT 140: 3D Modeling and Animation: Maya
Units: 3
Prerequisites: None
Advisory: MAT 120
Acceptable for Credit: CSU
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall

This course introduces students to the fundamentals of computer-generated three-dimensional design using Autodesk Maya. Students learn modeling, texturing, materials, shaders, VFX, particle effects, and animation. Additional topics include visualization, 3D environment design (including lighting and camera angles), simple object and camera animation, and rendering considerations.

MAT 145: UI/UX Design
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring

This course provides an introduction to user interface (UI) and user experience (UX) design and prototyping. Students learn user-centered design approaches to research, design, prototype, and test user interfaces for screen-based media, such as websites and apps. Topics include design thinking, UX research and strategy, user personas and user scenarios, information architecture, interaction design, prototyping, usability testing, and industry tools and techniques. Students collaborate to design and prototype digital products.

MAT 150: Animation and Interactivity
Units: 3
Prerequisites: None
Advisory: MAT 120
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course introduces students to 2D animation and interactive media design techniques and tools. Students learn to integrate animation, text, graphics, audio, and video to create rich, interactive user experiences. The course emphasizes design principles for time-based media and effective user interface and interaction design. Students produce animation projects and interactive applications for delivery on the Web and other platforms.

MAT 155: Graphic Design 2: Typography
Units: 3
Prerequisites: None
Advisory: MAT 135
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

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, the anatomy of letterforms and the use of words, and structural and experimental design. Students develop a solid understanding of how to use type and letterforms to solve design and typographic problems.

MAT 160: Video 1: Production
Units: 3
Prerequisites: None
Advisory: MAT 120
Acceptable for Credit: CSU, UC
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This course teaches creative and technical aspects of hands-on, project-based video production. It covers the video creation process, including concept-development, storyboarding, planning, video capture, audio recording, and asset collection. It also covers post-production video editing processes in depth, culminating in a complete digital video work. Topics also include proper formats for delivery through various mediums and platforms.

MAT 165: Web Design 2: WordPress and Site Production
Units: 3
Prerequisites: None
Advisory: MAT 125
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This intermediate-level course builds on the skills developed in MAT 125 and introduces students to WordPress and other content management systems (CMS). Students plan and design websites using UI/UX tools and gain skills authoring and implementing HTML, CSS, and JavaScript in hand-coded sites and within CMS platforms.Topics include site planning, content strategy, image preparation, web animation, responsive design, CMS solutions, hosting platforms, and site management.

MAT 170: Digital Illustration 1: Adobe Illustrator
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This course addresses vector-based illustration topics, tools, and techniques related to visual art and design. Particular focus is placed on project ideation, iterative process, and application of elements and principles of art and design. Technical topics include digital vector tools for drawing, pattern development, application of texture and color, grid-based design, and workflow using Adobe Illustrator and related software.

MAT 175: Web Design: JavaScript and jQuery
Units: 3
Prerequisites: MAT 125.
Advisory: MAT 165
Acceptable for Credit: CSU
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall

This course introduces 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 the fundamentals of programming and computational thinking and how to design and script user interface elements common on websites. Topics also include how to create and animate interactive graphics for HTML5 games or web applications.

MAT 180: Digital Publishing: Adobe InDesign
Units: 3
Prerequisites: None
Advisory: MAT 110 and MAT 170
Acceptable for Credit: CSU
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall

This course introduces students to Adobe InDesign, the page layout software program used by professional graphic designers to publish ads, business cards, brochures, postcards, newsletters, magazines, books, and more. It involves considerable hands-on instruction and projects similar to those faced by today's designers. Students learn how to prepare documents for professional publication, how to format type, import images, use styles, generate tables, create swatches, and apply shortcuts. Students learn typographic and publishing techniques, basic design principles, and how to apply spot and process color. Students examine, troubleshoot, and package digital files for output to a commercial press and for the Web.

MAT 185: Graphic Design 3: Design and Layout
Units: 3
Prerequisites: None
Advisory: MAT 135
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course covers the process of creating effective, efficient, and dynamic layouts to solve complex design problems. Students explore every stage of the design process, including research, concept and design development, and applying intuitive design, structural hierarchy, and grid systems. The course emphasizes developing a conceptual problem-solving approach and refining a personal design sense.

MAT 190: Programming for Animation, Interactivity, and Games
Units: 3
Prerequisites: None
Advisory: MAT 150
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall even years

This course emphasizes creative coding and programming for interactive media, including 2D games, web, and multimedia applications. Students learn to code within the context of the visual arts using JavaScript, Processing, and/or JavaScript frameworks such as p5.js, CreateJS, or PhaserJS. Students explore the creative and technical aspects of designing interactive user experiences that integrate media, animation, and interactivity. Additional topics include user interface design, experience design, interactive storytelling, game design, animation techniques, and developing content for delivery across a variety of platforms and devices.

MAT 200: Video 2: Motion Graphics and Post-Production
Units: 3
Prerequisites: None
Advisory: MAT 110, MAT 160, or MAT 120.
Acceptable for Credit: CSU
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall

This course teaches students motion graphics and video post-production processes that bridge the gap between traditional animation and video production. Students will explore advanced editing techniques through combining video, graphics, audio, rotoscoping, keyframing and tweening, motion tracking, 3D elements, and more by using Adobe After Effects, Premiere Pro, and other software. The course utilizes creative project-based work so that students gain hands-on motion graphics experience for various presentation platforms.

MAT 210: Advanced Digital Imaging & Illustration
Units: 3
Prerequisites: MAT 110 or MAT 170.
Acceptable for Credit: CSU
Lecture 2.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring

This course explores advanced imaging and illustration concepts and techniques. Students will use a variety of creative digital tools such as Adobe Photoshop, Illustrator, and related software to produce portfolio-ready work and develop higher-level compositing and illustration skills, with particular focus on: creative processes, advanced technical processes, workflow integrations, and conceptual development.

MAT 225: Web Design 3: Custom Sites and Professional Practices
Units: 3
Prerequisites: None
Advisory: MAT 165
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

In this advanced course, students plan, design, and develop complex, real-world, custom websites in a team environment using modern web standards, professional practices, and workflows. Students integrate HTML, CSS, JavaScript, and PHP programming skills and learn how to customize and create WordPress themes. Additional topics include working with clients, user experience design (UX), site planning and research, content strategy, information architecture development, user interface design (UI), usability analysis, and emerging industry trends.

MAT 230: Advanced Publishing: Output for Print
Units: 3
Prerequisites: None
Advisory: MAT 180
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring even 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 270: Advanced Design Studio
Units: 3
Prerequisites: None
Advisory: This class is not advised for beginning students. It is intended for intermediate and advanced students majoring in Graphic Design, Web Design and Development, or Video and Media Design.
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring odd years

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 build their portfolio and experience client relations, project development and management, problem solving, team management, asset management, and business practices.

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 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

Students develop a professional portfolio that strategically showcases their design, media, and/or artistic skills and best work. Students focus on developing a personal brand to guide professional decisions and position themselves effectively as a freelancer, prospective employee, or transfer student. Topics include the design of integrated brand identity and marketing materials, such as a logo and stationery package, website, resume, business card, cover letter, case studies, and presentation slide deck. Students are required to formally present their portfolio for review by faculty and advisors.

MAT 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

MAT 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Medical Administrative Professional

The Medical Administrative Professional program prepares students for entry-level employment in medical office and healthcare administrative settings. Instruction includes medical office procedures, HIPAA compliance, electronic health records, medical coding, and health insurance practices. Students develop skills necessary to perform administrative functions in physician offices, hospitals, clinics, surgical centers, and government agencies. An internship in a medical facility is recommended to provide practical work experience.

Academic and Career Pathway

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

Contact Information

Chair: Alison Phinney
Dean: Danielle Lauria
https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/medical-administrative-professional/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/medical-administrative-professional/)

Department: Nursing and Allied Health
Office: Building OC5100, 760.757.2121 x 6466

Full-Time Faculty

Rich Dicker

Associate Degree

Associate in Arts Degree

Medical Office Professional

Students may earn the above-named associate degree by completing a certificate of achievement and the general education courses required for MiraCosta College's Associate in Arts degree (see Associate Degrees (p. 73)). 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

Medical Assistant

This certificate program provides students with the necessary skills and knowledge to work as medical assistants in a variety of practice settings, such as in medical offices, acute care settings, and clinical or allied health and ambulatory care facilities. Course content includes medical terminology, office systems and procedures, medical coding, medical insurance and billing, electronic health records, patient advocacy, HIPAA compliance, basic anatomy and physiology, medical back office support, and bloodborne and airborne pathogen standards.

Program Student Learning Outcome

Upon completion of the program, students will demonstrate proficiency in speaking, reading, and writing when communicating with patients and healthcare team; logically problem-solve in the healthcare setting; and become employable in an entry-level healthcare career upon completion of their certificate of achievement.

Course Requirements

Prerequisite: Students must be admitted into the Medical Assistant program.

Required courses:		
MAP 50	Introduction to Medical Administrative Careers	3
MAP 56	Introduction to Patient Advocacy	3
MAP 60	Introduction to the Electronic Health Record	3
MAP 62	Medical Coding	3
MAP 64	Medical Insurance and Billing	3
MAP 70	Bloodborne and Airborne Pathogen Standards	1
MAP 80	Medical Assistant–Clinical Back Office I	3
MAP 82	Medical Assistant–Clinical Back Office II	3
MAP 90	Medical Assistant Clinical Preceptorship	4
NURS 151	Body Systems Survey for Health Professions	3
NURS 153	Pathophysiology for Health Professions	3
NURS 155	Basic Medical Terminology	3
Total Units		**35**

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

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.

Course Requirements

Required courses:		
MAP 50	Introduction to Medical Administrative Careers	3
MAP 60	Introduction to the Electronic Health Record	3
MAP 62	Medical Coding	3

MAP 64	Medical Insurance and Billing	3
Select at least 9 elective units from the following:		9
MAP 52	Medical Keyboarding and Document Production	
MAP 56	Introduction to Patient Advocacy	
MAP 70	Bloodborne and Airborne Pathogen Standards	
MAP 80	Medical Assistant–Clinical Back Office I	
MAP 292	Internship Studies	
MAP 299	Occupational Work Experience Education	
NURS 151	Body Systems Survey for Health Professions	
NURS 155	Basic Medical Terminology	
Total Units		**21**

Certificate of Achievement

Patient Care Coordinator

A Patient Care Coordinator is employed in outpatient facilities such as a doctor's office or specialty clinic. Serving as a patient advocate, they perform a wide variety of functions, including monitoring and coordinating patient treatment plans, ensuring complete and accurate documentation and registration, coordinating continuity of care between services and insurance companies, discussing, consulting, and coordinating the needs of patients and family members, and facilitating the education of patients and family members about health conditions, medications, and instructions. This certificate is designed to offer students the skills and knowledge necessary for entry-level employment in outpatient healthcare settings.

Program Student Learning Outcome

Upon completion of this program, students will have developed skills necessary to obtain entry-level employment in a variety of outpatient medical office settings.

Course Requirements

Required courses:		
HEAL 180	Introduction to Public Health	3
MAP 50	Introduction to Medical Administrative Careers	3
MAP 52	Medical Keyboarding and Document Production	3
MAP 56	Introduction to Patient Advocacy	3
MAP 60	Introduction to the Electronic Health Record	3
MAP 62	Medical Coding	3
MAP 64	Medical Insurance and Billing	3
MAP 70	Bloodborne and Airborne Pathogen Standards	1
NURS 153	Pathophysiology for Health Professions	3
NURS 155	Basic Medical Terminology	3
Complete 3 units from the following:		3
MAP 80	Medical Assistant–Clinical Back Office I	
MAP 292	Internship Studies	
MAP 299	Occupational Work Experience Education	
NURS 151	Body Systems Survey for Health Professions	
Total Units		**31**

Certificate of Proficiency

Medical Insurance and Coding Specialist

This certificate prepares students to perform specialized work related to insurance and coding in medical settings.

Program Student Learning Outcome

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.

Course Requirements

Program prerequisite:		
NURS 155	Basic Medical Terminology	3
Required courses:		
MAP 60	Introduction to the Electronic Health Record	3
MAP 62	Medical Coding	3
MAP 64	Medical Insurance and Billing	3
Select at least 3 elective units from the following:		3
MAP 50	Introduction to Medical Administrative Careers	
MAP 52	Medical Keyboarding and Document Production	
MAP 292	Internship Studies	
Total Units		**15**

Certificate of Proficiency

Medical Office Specialist

This certificate prepares students to work in health information management offices. Students receive training in all of the medical administrative tasks performed to manage health records, patient management plans, and patient education. Students acquire skills and training to obtain employment in all health care facilities/settings.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
MAP 50	Introduction to Medical Administrative Careers	3
MAP 56	Introduction to Patient Advocacy	3
MAP 60	Introduction to the Electronic Health Record	3
Select one course from the following:		3
MAP 52	Medical Keyboarding and Document Production	

MAP 62	Medical Coding	
MAP 64	Medical Insurance and Billing	
Total Units		**12**

Courses

MAP 50: Introduction to Medical Administrative Careers
Units: 3
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces the documentation and revenue cycle operations of a medical office, clinic, or hospital office environment. Topics include the duties and responsibilities of the receptionist, scheduler, insurance biller, medical coder, transcriptionist, medical records auditor, HIPAA compliance officer, health information technician, and office manager as well as information on professional development and industry certifications for administrative medical personnel.

MAP 52: Medical Keyboarding and Document Production
Units: 3
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This keyboarding and document production course for medical office professionals combines medical terminology with advanced word processing skills. Exercises include practicing keyboarding drills, creating medical documents, and inserting electronic entries. The course emphasizes medical terminology, procedures, phrases, and commonly used terms.

MAP 56: Introduction to Patient Advocacy
Units: 3
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to the general practices and competencies of a patient advocate. It develops skills to help the patient advocate navigate through the complexities of today's rapidly evolving healthcare system from the patient's perspective. Students discuss the cultural, social, hereditary, and environmental influences on human behavior and personality development, including behaviors associated with death, dying and grieving, cultural beliefs, mental health, values, and practices regarding health and illness.

MAP 60: Introduction to the Electronic Health Record
Units: 3
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course provides students with an overview of all the information entered into and extrapolated from an electronic health record (EHR) as well as in-depth and practical training on EHR software. Students examine specific sections of the EHR in relation to health information management.

MAP 62: Medical Coding
Units: 3
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course provides entry-level training in medical coding. Students develop an understanding of Current Procedural Terminology (CPT), International Classification of Diseases-Clinical Modification(ICD-CM) Volumes I and II, and HCFA Common Procedure Coding System (HCPCS) as they are used in medical claims processing and record management. Students review both paper and electronic medical documentation to assign specific codes for diagnoses and billing.

MAP 64: Medical Insurance and Billing
Units: 3
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course provides an overview of health insurance. It introduces procedures for submitting insurance claims for reimbursement to major health insurance carriers and government agencies.

MAP 70: Bloodborne and Airborne Pathogen Standards
Units: 1
Prerequisites: None
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This course presents the California Occupational Safety and Health Administration (OSHA) Bloodborne and Airborne Pathogen standards that protect health care workers from contracting infectious diseases, such as hepatitis, HIV-AIDS, and tuberculosis. Topics include compliance requirements, exposure control measures, exposure determination, protective equipment, and post exposure practices.

MAP 80: Medical Assistant–Clinical Back Office I
Units: 3
Prerequisites: None
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Fall

This course expands medical assistant proficiency in medical back office support. Students are introduced to the medical laboratory and equipment. The course emphasizes assisting physicians with exams and minor office surgical procedures. Topics include principles and practices of infection control, patient medical history and documentation, basic pharmacological concepts, and basic drug administration. Students perform CLIA approved procedures on urine, fecal, and microbiologic specimens.

MAP 82: Medical Assistant–Clinical Back Office II
Units: 3
Prerequisites: MAP 70 and MAP 80
Corequisite: MAP 90.
Lecture 1.50 hours, laboratory 4.50 hours.
Course Typically Offered: Spring

This course expands medical assistant proficiency in medical back office support. It presents students with the basic principles of performing and analyzing an electrocardiogram (ECG), pulmonary function testing, capillary puncture, and venipuncture. Topics include a review of the anatomy, physiology and electrophysiology of the heart and circulatory system; basic components of an ECG, normal and abnormal cardiac rhythms, review of the anatomy and physiology of the respiratory system, Clinical Lab Improvement Act (CLIA) approved pulmonary function tests, capillary puncture techniques, and venipuncture. Students are instructed in methods of quality control for specimen collection, transport, and testing while they learn to screen patients for various diagnostic tests and test result reporting.

MAP 90: Medical Assistant Clinical Preceptorship
Units: 4
Prerequisites: MAP 80
Corequisite: MAP 82.
Laboratory 12 hours.
Course Typically Offered: Spring

This course provides medical assisting students with a hands-on, unpaid clinical experience in a health care facility. Students apply the skills they have learned from their courses in a safe, ethical, and legal manner. The course emphasizes enhancing communication skills, professionalism, and interpersonal relationships. Topics include goal setting, employability skills development, and examination of the world of work as it relates to medical assisting. Each student works with their preceptor for 192 hours utilizing a variable time schedule.

MAP 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

MAP 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Music

The Music program offers courses in both traditional and commercial music for students who plan on transferring as music majors to four-year institutions, for those who need to satisfy general education requirements, and for those who wish to earn a certificate or associate degree in traditional or commercial music.

The program provides performance opportunities for music majors, non-music majors, and non-traditional students looking to participate in music classes.

Careers in traditional music include professional performance, conducting, arts management, composing, academic research, and public and private teaching.

Academic and Career Pathway

Creative and Applied Arts (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/)

Contact Information

Chair: Dan Siegel
Dean: Jonathan Fohrman
https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/music/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/music/)

Department: Music
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Matthew Falker
Arlie Langager
Dan Siegel
Stephen Torok

Associate Degree

Associate in Arts Degree

Music

The study of music provides students with the opportunity to develop skills and theory in instrumental, vocal, and composition. Students select many of their own courses based on their own goals for musical growth. All students, however, need a foundation of theory, musicianship, and keyboarding proficiency as well as private study and ensemble participation.

The Music program offers lower-division preparation for students who plan on transferring to pursue a bachelor's degree in music. Students planning to transfer and/or earn this associate degree may also need to complete additional requirements or electives required by the transfer institution, as many CSUs and UCs have unique admissions and preparation-for-the-major requirements. Students should meet with a MiraCosta College counselor to identify required courses and to develop a written plan for their targeted university.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 73)).
- Obtain a minimum GPA of 2.0.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome

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.

Course Requirements

Music Major Core Courses (Required)		
MUS 111	Music Theory II	3
MUS 111L	Musicianship II	1
MUS 128	Piano for Music Majors I	1
MUS 210	Music Theory III	3
MUS 210L	Musicianship III	1
MUS 211	Music Theory IV	3
MUS 211L	Musicianship IV	1
MUS 145A	Performance Lab I	.5
MUS 145B	Performance Lab II	.5
Performance Ensembles (4 units to be selected from the following):		4
MUS 150A	Contemporary Big Band I	
MUS 150B	Contemporary Big Band II	
MUS 250A	Contemporary Big Band III	
MUS 250B	Contemporary Big Band IV	
MUS 152A	Studio Jazz Ensemble I	
MUS 152B	Studio Jazz Ensemble II	
MUS 252A	Studio Jazz Ensemble III	
MUS 252B	Studio Jazz Ensemble IV	
MUS 165A	Chamber Choir I	
MUS 165B	Chamber Choir II	
MUS 265A	Chamber Choir III	
MUS 265B	Chamber Choir IV	
MUS 166A	Vocal Jazz Ensemble I	
MUS 166B	Vocal Jazz Ensemble II	
MUS 266A	Vocal Jazz Ensemble III	
MUS 266B	Vocal Jazz Ensemble IV	
MUS 170A	Symphony Orchestra I	
MUS 170B	Symphony Orchestra II	
MUS 270A	Symphony Orchestra III	
MUS 270B	Symphony Orchestra IV	
Students should select Option 1 or Option 2 based on their interest of study following transfer.		9
Option 1 - Music Performance (6 required units plus 3 elective units)		
MUS 144A	Individual Instruction I	
MUS 144B	Individual Instruction II	
MUS 244A	Individual Instruction III	
MUS 244B	Individual Instruction IV	
MUS 245A	Performance Lab III	
MUS 245B	Performance Lab IV	
MUS 228	Classical Piano	
or MUS 229	Jazz/Commercial Piano	
Three elective units to be selected from the following.		
MUS 115	History of Classical Music	
MUS 119	Jazz History	
MUS 129	Piano for Music Majors II	
MUS 130B	Guitar II	
MUS 141B	Vocal Fundamentals II	
MUS 228	Classical Piano	
MUS 229	Jazz/Commercial Piano	
MUS 230A	Guitar III	
MUS 230B	Guitar IV	
MUS 241A	Advanced Vocal Techniques I	
MUS 241B	Advanced Vocal Techniques II	
MUS 253	Jazz/Commercial Improvisation	
MUS 292	Internship Studies	
Option 2 - Music Education/Composition/Therapy/ Studies (Select 9 units).		
MUS 110	Theory/Musicianship I	
MUS 113	The Music of America	
or MUS 116	A Survey of World Music	
MUS 115	History of Classical Music	
or MUS 119	Jazz History	
MUS 120	Piano I	
MUS 121	Piano II	

MUS 129	Piano for Music Majors II
MUS 130A	Guitar I
MUS 130B	Guitar II
MUS 141A	Vocal Fundamentals I
MUS 141B	Vocal Fundamentals II
MUS 144A	Individual Instruction I
MUS 144B	Individual Instruction II
MUS 155A	Popular Music Ensemble I
MUS 155B	Popular Music Ensemble II
MUS 188	Technology for Music Majors
MUS 228	Classical Piano
MUS 229	Jazz/Commercial Piano
MUS 230A	Guitar III
MUS 230B	Guitar IV
MUS 241A	Advanced Vocal Techniques I
MUS 241B	Advanced Vocal Techniques II
MUS 244A	Individual Instruction III
MUS 244B	Individual Instruction IV
MUS 245A	Performance Lab III
MUS 245B	Performance Lab IV
MUS 253	Jazz/Commercial Improvisation
MUS 255A	Popular Music Ensemble III
MUS 255B	Popular Music Ensemble IV
MUS 292	Internship Studies
Total Units	**27**

Courses Related in Content (CRC)

Ear Training CRC	
MUS 111L	Musicianship II
MUS 210L	Musicianship III
MUS 211L	Musicianship IV
Guitar CRC	
MUS 130A	Guitar I
MUS 130B	Guitar II
MUS 230A	Guitar III
MUS 230B	Guitar IV
Individual Instruction CRC	
MUS 145A	Performance Lab I
MUS 145B	Performance Lab II
MUS 245A	Performance Lab III
MUS 245B	Performance Lab IV
Large Classical Instrumental Ensemble CRC	
MUS 170A	Symphony Orchestra I
MUS 170B	Symphony Orchestra II
MUS 270A	Symphony Orchestra III
MUS 270B	Symphony Orchestra IV
Large Instrumental Jazz Ensemble CRC	
MUS 150A	Contemporary Big Band I
MUS 150B	Contemporary Big Band II
MUS 250A	Contemporary Big Band III
MUS 250B	Contemporary Big Band IV
Piano CRC	
MUS 120	Piano I
MUS 121	Piano II
MUS 128	Piano for Music Majors I
MUS 129	Piano for Music Majors II
MUS 228	Classical Piano
MUS 229	Jazz/Commercial Piano
Popular Music CRC	
MUS 155A	Popular Music Ensemble I
MUS 155B	Popular Music Ensemble II
MUS 255A	Popular Music Ensemble III
MUS 255B	Popular Music Ensemble IV
Small Classical Vocal Ensemble CRC	
MUS 165A	Chamber Choir I
MUS 165B	Chamber Choir II
MUS 265A	Chamber Choir III
MUS 265B	Chamber Choir IV
Small Instrumental Jazz Ensemble CRC	
MUS 152A	Studio Jazz Ensemble I
MUS 152B	Studio Jazz Ensemble II
MUS 252A	Studio Jazz Ensemble III
MUS 252B	Studio 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 141A	Vocal Fundamentals I
MUS 141B	Vocal Fundamentals II
MUS 241A	Advanced Vocal Techniques I
MUS 241B	Advanced Vocal Techniques II

Courses

MUS 110: Theory/Musicianship I
Units: 3
Prerequisites: None
Advisory: MUS 145A and concurrent enrollment in an appropriate level piano class, MUS 120, MUS 121, or MUS 128.
Enrollment Limitation: Not open to students with prior credit in MUS 100.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This basic music theory and ear training course teaches students to read and write musical notation and develops related listening skills. The course incorporates the following concepts: rhythm, meter, and pitch notation; basic properties of sound; intervals; diatonic scales and triads; key signatures; diatonic chords, basic cadential formulas and phrase structure; and dominant seventh. Students can contact the Music Department for a placement exam to test into higher levels. C-ID MUS-125. Formerly MUS 100.

MUS 111: Music Theory II
Units: 3
Prerequisites: MUS 110 or placement through department exam.
Advisory: Concurrent enrollment in appropriate piano class (MUS 120/121/128), MUS 111L, or MUS 145B.
Enrollment Limitation: Not open to students with prior credit in MUS 101.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course incorporates the concepts from Music Theory I. In addition, through guided composition and analysis, the course includes an introduction to two-part counterpoint; voice leading involving four-part chorale writing; diatonic harmony; and an introduction to secondary/applied chords and modulation. Formerly MUS 101.

MUS 111L: Musicianship II
Units: 1
Prerequisites: MUS 110 or placement through department exam.
Advisory: Concurrent enrollment in MUS 111.
Enrollment Limitation: Not open to students with credit in MUS 103.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This lab course provides intermediate-level ear training for musicians. It applies and develops the rhythmic, melodic, and harmonic materials of Music Theory II through ear training, sight singing, analysis, and dictation. Students can contact the Music Department for a placement exam to test into this level. C-ID MUS-135. Formerly MUS 103.

MUS 112: American Popular Music
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course surveys popular music in America from colonial times to the present. Students analyze the broad variety of music particular to American heritage in context with the social, cultural, and musical developments of the times. Genres examined include folk, religious, blues, Tin Pan Alley, jazz, rhythm and blues, country, soul, rock, disco, hip-hop, rap, and electronica.

MUS 113: The Music of America
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course surveys a variety of music genres that evolved from the merging of different cultural traditions into distinctively new American music styles. The styles students examine include the music of the early colonists to spirituals, the blues, and jazz as well as Norte o, salsa, zydeco, Hawaiian, and klezmer.

MUS 114: History of Rock and Roll
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course surveys the history of rock and roll from its origin in American popular music to the present. It relates the stylistic changes that have occurred in rock and roll to the social events that surround them. The course also examines historic and current rock subcultures and the attitudes surrounding them.

MUS 115: History of Classical Music
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the canon of Western classical music through a survey of great composers from the medieval period to the present. Methods include historical analysis of each style period and extensive guided listening. The course also considers sociological influences on art and music.

MUS 116: A Survey of World Music
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to selected musical cultures from around the world, exploring their stylistic features, organology, and cultural significance, along with the historical, social, political, and geographical factors that shaped them. It emphasizes approaching music from an ethnomusicological perspective-questioning how and why human beings are musical and how their musics relate to broader questions of identity, communication, and belief systems. Through exploration of these musics, students refine listening and critical skills related to music.

MUS 119: Jazz History
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in MUS 119H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course assists students in developing an appreciation and respect for jazz and blues as original and uniquely American art forms. The topic, viewed through historical, cultural, and sociological lenses, focuses upon the evolutionary development of the music and artists responsible for its creation. Students gain an understanding of basic and jazz-specific musical concepts, the profound impact of African-American artists, and how jazz influenced all American popular music.

MUS 120: Piano I
Units: 1
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments among MUS 120, MUS 121, MUS 128, MUS 129, MUS 228, MUS 229. NOTE: No course within this grouping is repeatable.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This beginning piano class develops piano skills through the use of standard songs and appropriate-level piano literature. It also introduces fundamental musical notation. Students are required to attend a professional piano performance.

MUS 121: Piano II
Units: 1
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments among MUS 120, MUS 121, MUS 128, MUS 129, MUS 228, MUS 229. NOTE: No course within this grouping is repeatable.
Acceptable for Credit: CSU, UC
Lecture 0.50 hour, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This piano class continues to develop beginning piano skills through the use of standard songs and appropriate level piano literature. The course continues to develop student knowledge of music fundamentals, including notation, scales, and chords. Students are required to attend a live professional piano performance.

MUS 128: Piano for Music Majors I
Units: 1
Prerequisites: None
Advisory: MUS 110
Enrollment Limitation: Maximum of four enrollments among MUS 120, MUS 121, MUS 128, MUS 129, MUS 228, MUS 229. NOTE: No course within this grouping is repeatable.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides technical knowledge and skills of piano for all music majors. Students learn to play scales, arpeggios, and chords. The course emphasizes the construction of triads and seventh chords. Students prepare and play beginning-level piano repertoire in classical and jazz/contemporary styles, and they are required to attend a live professional or educational piano performance. C-ID MUS-170.

MUS 129: Piano for Music Majors II
Units: 1
Prerequisites: MUS 128.
Advisory: MUS 110
Enrollment Limitation: Maximum of four enrollments among MUS 120, MUS 121, MUS 128, MUS 129, MUS 228, MUS 229. NOTE: No course within this grouping is repeatable.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides technical knowledge and skills of piano for all music majors at an intermediate level. Students play more advanced scales, arpeggios, and chords. Students also prepare and play intermediate-level piano repertoire in classical and jazz/contemporary styles, and they are required to attend a live professional piano performance. C-ID MUS-171.

MUS 130A: Guitar I
Units: 1
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in MUS 130.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides fundamental guitar performance training and music reading for students with any level of prior experience on the instrument, including those with no experience. Topics include music theory, guitar ergonomics, musicianship skills, and note reading performance in the first position in an ensemble and as a soloist. Students are required to possess a steel string or classical guitar. Formerly MUS 130.

MUS 130B: Guitar II
Units: 1
Prerequisites: None
Advisory: MUS 130A
Enrollment Limitation: Not open to students with prior credit in MUS 131.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on intermediate-level guitar techniques, skills, and repertoire studies. Course topics include intermediate-level music theory, as it relates to the guitar, improvisation, fretboard roadmaps, fingerpicking, and transcription. Students study, practice, and perform songs and exercises in classical, jazz, and popular musical styles. Students are required to possess a steel string or classical guitar. Formerly MUS 131.

MUS 141A: Vocal Fundamentals I
Units: 1
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in MUS 141.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This voice class introduces 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. Formerly MUS 141.

MUS 141B: Vocal Fundamentals II
Units: 1
Prerequisites: MUS 141A
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course is a continuation of MUS 141A. Singers further explore techniques to develop vocal tone, range, diction, and expression through a broader selection of repertoire. Students are required to attend a live musical concert.

MUS 144A: Individual Instruction I
Units: 1
Prerequisites: None
Corequisite: MUS 145A, MUS 145B, MUS 245A, or MUS 245B.
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 1 hour.
Course Typically Offered: Fall, Spring

This course is the first semester of private study for music majors. Instrumentalists and vocalists focus on beginning-level classical or jazz/commercial technique, performance practice, and repertoire in preparation for transfer auditions. Repertoire is performed in concerts and in performance lab classes. C-ID MUS-160.

MUS 144B: Individual Instruction II
Units: 1
Prerequisites: None
Corequisite: MUS 145A, MUS 145B, MUS 245A, or MUS 245B.
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 1 hour.
Course Typically Offered: Fall, Spring

This course is the second semester of private study for music majors. Instrumentalists and vocalists focus on intermediate-level classical or jazz/commercial technique, performance practice, and repertoire in preparation for transfer auditions. Repertoire is performed in concerts and in performance lab classes. C-ID MUS-160.

MUS 145A: Performance Lab I
Units: .5
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments among MUS 144, MUS 145A, MUS 145B, MUS 244, MUS 245A, MUS 245B.
NOTE: No course within this grouping is repeatable.
Acceptable for Credit: CSU, UC
Laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This first course in a four-semester sequence introduces performance techniques in a group environment. Students observe and evaluate performances by guest and peer musicians and complete other performance-related activities. The course is closely affiliated with the individual instruction courses. It is required of all music performance majors but is open to all students.

MUS 145B: Performance Lab II
Units: .5
Prerequisites: MUS 145A.
Enrollment Limitation: Maximum of four enrollments among MUS 144, MUS 145A, MUS 145B, MUS 244, MUS 245A, MUS 245B.
NOTE: No course within this grouping is repeatable.
Acceptable for Credit: CSU, UC
Laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This second in a four-course series further explores performance techniques in a group environment. Students observe and evaluate performances by guest and peer musicians and complete other performance-related activities. The course is closely affiliated with the individual instruction courses. It is required of all music performance majors but is open to all students.

MUS 150A: Contemporary Big Band I
Units: 1
Prerequisites: None
Enrollment Limitation: Audition and maximum of four enrollments among MUS 150, MUS 150A, MUS 150B, MUS 250A, and MUS 250B.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This first course in a four-course series concentrates on the preparation and performance of large jazz ensemble/big band jazz. Beginning students study music from a wide variety of historical eras, ranging from the 1920s swing style to contemporary styles. The course introduces aspects of large jazz ensemble performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balances, instrumental blend, sight reading, and correct intonation. Students are required to attend both on- and off-campus and/or virtual performances. C-ID MUS-180.

MUS 150B: Contemporary Big Band II
Units: 1
Prerequisites: MUS 150A
Enrollment Limitation: Maximum of four enrollments among MUS 150, MUS 150A, MUS 150B, MUS 250A, and MUS 250B.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This second course in a four-course series concentrates on the preparation and performance of large jazz ensemble/ big band jazz. Intermediate students study music from a wide variety of historical eras, ranging from the 1920s swing style to contemporary styles. The course reinforces aspects of large jazz ensemble performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balances, instrumental blend, sight reading, and correct intonation. Students are required to attend both on- and off-campus and/ or virtual performances. C-ID MUS-180.

MUS 152A: Studio Jazz Ensemble I
Units: 1.5
Prerequisites: None
Enrollment Limitation: Audition and maximum of four enrollments among MUS 152A, MUS 152B, MUS 252A, and MUS 252B.
Acceptable for Credit: CSU, UC
Laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This first course of a four-course series focuses on the beginner-level preparation, performance, and recording of jazz and jazz-influenced commercial music styles for variable-sized ensembles, with an emphasis on the standard jazz big band. Musical styles range from the 1930s to the present. C-ID MUS-185.

MUS 152B: Studio Jazz Ensemble II
Units: 1.5
Prerequisites: MUS 152A.
Enrollment Limitation: Maximum of four enrollments among MUS 152A, MUS 152B, MUS 252A, and MUS 252B.
Acceptable for Credit: CSU, UC
Laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This second course of a four-course series concentrates on intermediate-level preparation, performance, and recording of jazz and jazz-influenced commercial music styles for variable-sized ensembles with an emphasis on the standard jazz big band. Musical styles range from the 1930s to the present. C-ID MUS-185.

MUS 155A: Popular Music Ensemble I
Units: 1
Prerequisites: None
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This first course in a four-course series, designed for acoustic and electric instrumentalists as well as percussionists and vocalists, focuses on preparing and performing the repertoire of popular music styles. Students are required to play an instrument or sing and participate in on- and off-campus performances.

MUS 155B: Popular Music Ensemble II
Units: 1
Prerequisites: MUS 155A.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This second course in a four-course series, designed for acoustic and electric instrumentalists as well as percussionists and vocalists, focuses on preparing and performing the repertoire of popular music styles. Students are required to play an instrument and/or sing and participate in on- and off-campus performances.

MUS 164: Musical Theater Ensemble
Units: 1
Prerequisites: None
Corequisite: DRAM 204
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Spring

This course provides students with the opportunity to perform in main-stage musical productions. Topics include vocal production, story and character development, and ensemble skills. The singing cast is selected by audition, and all students participate in the Kennedy Center/American College Theatre Festival competition. (May be repeated three times.)

MUS 165A: Chamber Choir I
Units: 1.5
Prerequisites: None
Enrollment Limitation: Maximum of four enrollments among MUS 165, MUS 165A, MUS 165B, MUS 265A, and MUS 265B.
Acceptable for Credit: CSU, UC
Laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

In this first in a four-course series, students learn how to perform representative choral music literature with basic technical vocal skill in a small ensemble. Topics include beginning-level vocal production, ensemble skills, music history and theory, and performance skills. Students are required to participate in on- and off-campus performances and concert tours.

MUS 165B: Chamber Choir II
Units: 1.5
Prerequisites: MUS 165A.
Enrollment Limitation: Maximum of four enrollments among MUS 165, MUS 165A, MUS 165B, MUS 265A, and MUS 265B.
Acceptable for Credit: CSU, UC
Laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

In this second in a four-course series, students learn how to perform representative choral music literature with intermediate-level technical vocal skill in a small ensemble. Topics include intermediate-level vocal production, ensemble skills, music history and theory, and performance skills. Students are required to participate in on- and off-campus performances and concert tours.

MUS 166A: Vocal Jazz Ensemble I
Units: 1.5
Prerequisites: None
Advisory: MUS 110 and MUS 141A.
Enrollment Limitation: Maximum of four enrollments among MUS 166, MUS 166A, MUS 166B, MUS 266A, and MUS 266B.
Acceptable for Credit: CSU, UC
Laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

Students study classic and contemporary vocal jazz repertoire through vocal jazz ensemble rehearsal and performance. They present concerts and festivals on campus and throughout the community as well as concert tours. Students develop beginning vocal or instrumental skills, sight-reading skills with basic intervals and rhythms, and perform at least one solo using basic melodic shaping and jazz improvisation concepts. Students are required to attend professional jazz performances. First level of four semester enrollments. Students must audition on their voice or instrument for placement into the ensemble.

MUS 166B: Vocal Jazz Ensemble II
Units: 1.5
Prerequisites: MUS 166A
Enrollment Limitation: Maximum of four enrollments among MUS 166, MUS 166A, MUS 166B, MUS 266A, and MUS 266B.
Acceptable for Credit: CSU, UC
Laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

Students study classic and contemporary vocal jazz repertoire through vocal jazz ensemble rehearsal and performance. They present concerts and festivals on campus and throughout the community as well as concert tours. Students develop beginning-intermediate vocal or instrumental skills, sight reading skills with beginning-intermediate intervals and syncopated rhythms, and perform at least one solo using melodic shaping and intermediate improvisation concepts, using a student-prepared lead sheet. Students are required to attend professional jazz performances. Second level of four semester enrollments.

MUS 170A: Symphony Orchestra I
Units: 1
Prerequisites: None
Enrollment Limitation: Audition and maximum of four enrollments among MUS 170, MUS 170A, MUS 170B, MUS 270A, MUS 270B.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This beginning course in a four-course series concentrates on the preparation and performance of symphonic orchestral literature. Students study music from a wide variety of historical eras, ranging from the Baroque to contemporary styles. The course introduces beginning-level characteristics of classical performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balance, instrumental blend, sight reading, correct intonation, and individual practice strategies. Students are required to attend both on- and off-campus and/or virtual performances.

MUS 170B: Symphony Orchestra II
Units: 1
Prerequisites: MUS 170A.
Enrollment Limitation: Maximum of four enrollments among MUS 170, MUS 170A, MUS 170B, MUS 270A, MUS 270B.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This second course in a four-course series concentrates on intermediate-level preparation and performance of symphonic orchestral literature. Students study music from a wide variety of historical eras, ranging from the Baroque to contemporary styles. The course reinforces aspects of classical performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balances, instrumental blend, sight reading, correct intonation, and individual practice strategies. Students are required to attend both on- and off-campus and/or virtual performances.

MUS 188: Technology for Music Majors
Units: 2
Prerequisites: MUS 110 or placement through department exam.
Enrollment Limitation: Not open to students with prior credit in MUS 101.
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring

This survey course presents an introduction to technological tools for students in music performance, music education, and general education. It is designed to introduce basic studio recording concepts, live sound systems, digital audio workstations, MIDI, and music notation software for the performance of classical and jazz/commercial music.

MUS 210: Music Theory III
Units: 3
Prerequisites: MUS 111
Corequisite: MUS 210L.
Advisory: Concurrent enrollment in appropriate level piano class, MUS 120, MUS 121, MUS 128.
Enrollment Limitation: Not open to students with prior credit in MUS 102.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course incorporates the concepts from Music Theory II. In addition, through writing and analysis, the course includes an introduction to chromatic harmony; secondary/applied chords; modulation; borrowed chords; and an introduction to Neapolitan and augmented-sixth chords. Formerly MUS 102. C-ID MUS-140.

MUS 210L: Musicianship III
Units: 1
Prerequisites: MUS 111L
Corequisite: MUS 210.
Enrollment Limitation: Not open to students with prior credit in MUS 104.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall

This lab course provides intermediate-to-advanced level ear training for musicians and applies and develops the rhythmic, melodic, and harmonic materials of Music Theory III through ear training, sight-singing, analysis, and dictation. Formerly MUS 104. C-ID MUS-145.

MUS 211: Music Theory IV
Units: 3
Prerequisites: MUS 210.
Corequisite: MUS 211L.
Advisory: MUS 228
Enrollment Limitation: Not open to students with prior credit in MUS 201.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course incorporates the concepts from Music Theory III. In addition, through writing and analysis, the course includes post-Romantic techniques, such as borrowed chords and modal mixture; chromatic medians; Neapolitan and augmented-sixth chords; 9th, 11th, and 13th chords; altered chords and dominants; and twentieth-century techniques, such as Impressionism, tone rows, set theory, pandiatonicism and polytonalism, and meter and rhythm. Formerly MUS 201. C-ID MUS-150.

MUS 211L: Musicianship IV
Units: 1
Prerequisites: MUS 210L
Corequisite: MUS 211.
Enrollment Limitation: Not open to students with credit in MUS 203.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Spring

This lab course provides advanced-level ear training for musicians. It applies and develops the rhythmic, melodic, and harmonic materials of Music Theory IV through ear training, sight singing, analysis, and dictation. Formerly MUS 203. C-ID MUS-155.

MUS 228: Classical Piano
Units: 1
Prerequisites: MUS 128.
Enrollment Limitation: Maximum of four enrollments among MUS 120, MUS 121, MUS 128, MUS 129, MUS 228, MUS 229. NOTE: No course within this grouping is repeatable.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Spring

This course provides piano and advanced musicianship skills training. Topics include complex notation, scales, chords, transposition, and sight reading. Students develop advanced-level piano performance skills using appropriate literature, and they study prominent piano composers and different eras of piano literature. Students are required to perform in public at least once and attend a live professional classical piano performance. C-ID MUS-172.

MUS 229: Jazz/Commercial Piano
Units: 1
Prerequisites: MUS 128.
Advisory: MUS 152A or MUS 253
Enrollment Limitation: Maximum of four enrollments among MUS 120, MUS 121, MUS 128, MUS 129, MUS 228, MUS 229. NOTE: No course within this grouping is repeatable.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall

This course provides jazz piano performance training and covers advanced musicianship skills. It includes contemporary notation, scales, chords, transposition, and sight reading. Students continue to develop advanced level jazz piano performance and accompanying skills using appropriate literature, and they study prominent pianists and the different eras of jazz piano history. Students are required to attend a live professional piano performance and perform in public at least once.

MUS 230A: Guitar III
Units: 1
Prerequisites: MUS 130B
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course delves into advanced techniques and concepts for semi-professional and professional guitar players. Students explore advanced scales, modes, and more intricate chord progressions. The course also covers music theory in greater depth, enabling students to analyze, deconstruct, and improvise over complex songs.

MUS 230B: Guitar IV
Units: 1
Prerequisites: MUS 230A
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course is designed to provide students with a comprehensive understanding of the guitar fretboard. Topics include advanced techniques, advanced music theory, and in-depth improvisation. Students also explore genre-specific playing styles and work on a final project showcasing their mastery of the instrument.

MUS 241A: Advanced Vocal Techniques I
Units: 1
Prerequisites: MUS 141B.
Enrollment Limitation: Not open to students with prior credit in MUS 241.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This voice course 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. Formerly MUS 241.

MUS 241B: Advanced Vocal Techniques II
Units: 1
Prerequisites: MUS 241A
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course is a continuation of MUS 241A. Experienced singers further explore advanced techniques for performance of traditional and contemporary repertoire.

MUS 244A: Individual Instruction III
Units: 1
Prerequisites: None
Corequisite: MUS 145A, MUS 145B, MUS 245A, or MUS 245B.
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 1 hour.
Course Typically Offered: Fall, Spring

This course is the third semester of private study for music majors. Instrumentalists and vocalists focus on classical or jazz/commercial technique, performance practice, and repertoire at an intermediate-advanced level in preparation for transfer auditions. Repertoire is performed in concerts and in performance lab classes. C-ID MUS-160.

MUS 244B: Individual Instruction IV
Units: 1
Prerequisites: None
Corequisite: MUS 145A, MUS 145B, MUS 245A, or MUS 245B.
Enrollment Limitation: Audition.
Acceptable for Credit: CSU, UC
Lecture 1 hour.
Course Typically Offered: Fall, Spring

This course is the fourth semester of private study for music majors. Instrumentalists and vocalists focus on advanced classical or jazz/commercial technique, performance practice, and repertoire in preparation for transfer auditions. Repertoire is performed in concerts and in performance lab classes. C-ID MUS-160.

MUS 245A: Performance Lab III
Units: .5
Prerequisites: MUS 145B.
Enrollment Limitation: Maximum of four enrollments among MUS 144, MUS 145A, MUS 145B, MUS 244, MUS 245A, MUS 245B. NOTE: No course within this grouping is repeatable.
Acceptable for Credit: CSU, UC
Laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This third in a four-course series explores intermediate-advanced performance techniques in a group environment. Students observe and evaluate performances by guest and peer musicians and complete other performance-related activities. The course is closely affiliated with the individual instruction courses. It is required of all music performance majors but is open to all students.

MUS 245B: Performance Lab IV
Units: .5
Prerequisites: MUS 245A.
Enrollment Limitation: Maximum of four enrollments among MUS 144, MUS 145A, MUS 145B, MUS 244, MUS 245A, MUS 245B.
NOTE: No course within this grouping is repeatable.
Acceptable for Credit: CSU, UC
Laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This final course in a four-semester series explores advanced performance techniques in a group environment. Students observe and evaluate performances by guest and peer musicians and complete other performance-related activities. The course is closely affiliated with the individual instruction courses. It is required of all music performance majors but is open to all students.

MUS 250A: Contemporary Big Band III
Units: 1
Prerequisites: MUS 150B.
Enrollment Limitation: Maximum of four enrollments among MUS 150, MUS 150A, MUS 150B, MUS 250A, and MUS 250B.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This performance group concentrates on the preparation and performance of large jazz ensemble/big band jazz. Intermediate-advanced students study music from a wide variety of historical eras, ranging from the 1920s swing style to contemporary styles. The course reinforces aspects of large jazz ensemble performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balances, instrumental blend, sight reading, and correct intonation. Improvisation is introduced. Students are required to attend both on- and off-campus and/or virtual performances. Third level of four semester enrollments. C-ID MUS-180.

MUS 250B: Contemporary Big Band IV
Units: 1
Prerequisites: MUS 250A.
Enrollment Limitation: Maximum of four enrollments among MUS 150, MUS 150A, MUS 150B, MUS 250A, and MUS 250B.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This fourth in a four-course series concentrates on the preparation and performance of large jazz ensemble/big band jazz. Advanced students study music from a wide variety of historical eras, ranging from the 1920s swing style to contemporary styles. The course reinforces aspects of large jazz ensemble performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balances, instrumental blend, sight reading, correct intonation, and improvisational skills. Students are required to attend both on- and off-campus and/or virtual performances. C-ID MUS-180.

MUS 252A: Studio Jazz Ensemble III
Units: 1.5
Prerequisites: MUS 152B.
Enrollment Limitation: Maximum of four enrollments among MUS 152A, MUS 152B, MUS 252A, and MUS 252B.
Acceptable for Credit: CSU, UC
Laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This third course in a four-course series focuses on the intermediate to advanced level preparation, performance, and recording of jazz and jazz-influenced commercial music styles for variable-sized ensembles, with an emphasis on the standard jazz big band. Musical styles range from the 1930s to the present. C-ID MUS-185.

MUS 252B: Studio Jazz Ensemble IV
Units: 1.5
Prerequisites: MUS 252A.
Enrollment Limitation: Maximum of four enrollments among MUS 152A, MUS 152B, MUS 252A, and MUS 252B.
Acceptable for Credit: CSU, UC
Laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This final course in a four-course series focuses on advanced-level preparation, performance, and recording of jazz and jazz-influenced commercial music styles for ensembles of varying sizes, with an emphasis on the standard jazz big band. Musical styles range from the 1930s to the present. C-ID MUS-185.

MUS 253: Jazz/Commercial Improvisation
Units: 2
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring even years

This course introduces students to melodic improvisational techniques used in jazz and many commercial musical styles. Participants study the art of constructing an appropriate linear melodic solo in a variety of common styles, including swing, Latin, bop, funk, fusion, and soul. The course relates music theory and improvisation to chord/scale relationships and modes, modal chord progressions, blues, rhythm changes, and standard major and minor chord progressions.

MUS 255A: Popular Music Ensemble III
Units: 1
Prerequisites: MUS 155B.
Acceptable for Credit: CSU
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This third course in a four-course series, designed for acoustic and electric instrumentalists as well as percussionists and vocalists, focuses on preparing and performing the repertoire of popular music styles. Students are required to play an instrument and/or sing and participate in on- and off-campus performances.

MUS 255B: Popular Music Ensemble IV
Units: 1
Prerequisites: MUS 255A
Acceptable for Credit: CSU
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This fourth course in a four-course series, designed for acoustic and electric instrumentalists as well as percussionists and vocalists, focuses on preparing and performing the repertoire of popular music styles. Students are required to play an instrument and/or sing and participate in on- and off-campus performances.

MUS 265A: Chamber Choir III
Units: 1.5
Prerequisites: MUS 165B.
Enrollment Limitation: Maximum of four enrollments among MUS 165, MUS 165A, MUS 165B, MUS 265A, and MUS 265B.
Acceptable for Credit: CSU, UC
Laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

In this third in a four-course series, students learn how to perform representative choral music literature with intermediate-advanced technical vocal skill in a small ensemble. Topics include intermediate-advanced-level vocal production, ensemble skills, music history and theory, and performance skills. Students are required to participate in on- and off-campus performances and concert tours.

MUS 265B: Chamber Choir IV
Units: 1.5
Prerequisites: MUS 265A.
Enrollment Limitation: Maximum of four enrollments among MUS 165, MUS 165A, MUS 165B, MUS 265A, and MUS 265B.
Acceptable for Credit: CSU, UC
Laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

In this final course in a four-semester series, students learn how to perform representative choral music literature with advanced technical vocal skill in a small ensemble. Topics include advanced-level vocal production, ensemble skills, music history and theory, and basic performance skills. Students are required to participate in on- and off-campus performances and concert tours.

MUS 266A: Vocal Jazz Ensemble III
Units: 1.5
Prerequisites: MUS 166B
Enrollment Limitation: Maximum of four enrollments among MUS 166, MUS 166A, MUS 166B, MUS 266A, and MUS 266B.
Acceptable for Credit: CSU, UC
Laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

Students study classic and contemporary vocal jazz repertoire through vocal jazz ensemble rehearsal and performance. They present concerts and festivals on campus and throughout the community as well as concert tours. Students develop intermediate vocal or instrument skills, sight reading skills with chromatic intervals and advanced rhythms, and perform at least two solos with jazz phrasing and advanced improvisation, using student-prepared lead sheets on music notation software. Students are required to attend professional jazz performances. Third level of four semester enrollments.

MUS 266B: Vocal Jazz Ensemble IV
Units: 1.5
Prerequisites: MUS 266A
Enrollment Limitation: Maximum of four enrollments among MUS 166, MUS 166A, MUS 166B, MUS 266A, and MUS 266B.
Acceptable for Credit: CSU, UC
Laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

Students study classic and contemporary vocal jazz repertoire through vocal jazz ensemble rehearsal and performance. They present concerts and festivals on campus and throughout the community as well as concert tours. Students develop advanced vocal or instrumental skills, sight reading skills with all intervals and advanced syncopated rhythms, and perform at least two solos with jazz phrasing and advanced improvisation, using fully arranged student-prepared lead sheets on music notation software. Students are required to attend professional jazz performances. Fourth level of four semester enrollments.

MUS 270A: Symphony Orchestra III
Units: 1
Prerequisites: MUS 170B.
Enrollment Limitation: Maximum of four enrollments among MUS 170, MUS 170A, MUS 170B, MUS 270A, MUS 270B.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This performance group concentrates on intermediate-advanced level preparation and performance of symphonic orchestral. Students study music from a wide variety of historical eras, ranging from the Baroque to contemporary styles. The course reinforces many aspects of classical performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balance, instrumental blend, sight reading, correct intonation, and individual practice strategies. Students are required to attend both on- and off-campus and/or virtual performances. Third level of four semester enrollments.

MUS 270B: Symphony Orchestra IV
Units: 1
Prerequisites: MUS 270A.
Enrollment Limitation: Maximum of four enrollments among MUS 170, MUS 170A, MUS 170B, MUS 270A, MUS 270B.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This fourth course in a four-course series concentrates on advanced-level preparation and performance of symphonic orchestral literature. Students study music from a wide variety of historical eras, ranging from the Baroque to contemporary styles. The course introduces and reinforces many aspects of classical performance, including stylistic interpretation, rhythmic interpretation, section and ensemble balance, instrumental blend, sight reading, correct intonation, and individual practice strategies. Students are required to attend both on- and off-campus and/or virtual performances.

MUS 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Music Technology

The Music Technology program offers courses for students who wish to earn a certificate or an associate degree in music technology or who plan on transferring as a music major to a four-year institution. Areas of focus include audio production, audio for media, sound reinforcement, and the principles of business in the field of music and media.

Academic and Career Pathway

Creative and Applied Arts (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/)

Contact Information

Chair: Dan Siegel
Dean: Jonathan Fohrman
https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/music-technology/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/creative-and-applied-arts/music-technology/)

Department: Music
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Dan Siegel

Associate Degree

Associate in Arts Degree

Music Technology

The Music Technology program prepares students for careers in the ever-evolving field of audio and media production. Students who complete the program can apply their skills to positions in all facets of the entertainment industry, including audio production, live sound, sound for film and visual media, audio equipment maintenance, and content creation and licensing. In addition to the technical aspects of careers in these areas, program participants will also focus on critical thinking, problem-solving, and the fundamentals of project management and communication.

Students may earn the above-named associate degree by completing a certificate of achievement and the general education courses required for the Associate in Arts degree (see Associate Degrees (p. 73)). 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.

Certificates

Certificate of Achievement

Music Technology

The Certificate of Achievement in Music Technology is designed to give students broad knowledge of all facets of audio production and delivery across current audio platforms. Students successfully completing the program will receive a fundamental and practical education that meets the technical and strategic demands of employers in the industries of media production, sound reinforcement, and audio for visual media for broadcast and streaming. The integration of industry certifications further enhances the advantages of the program.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to do the following:

- Use available technologies to create professional musical productions that meet industry standards suitable for delivery across current audio platforms.
- Work both individually and within a group to support and produce live sound presentations using sound reinforcement and recording equipment within a given time frame.
- Identify the creative, technological, and commercial methods and strategies implemented in the production, distribution, and marketing of contemporary media productions.

Course Requirements

Music technology core coursework:		
MTEC 110	Recording Arts I	2
MTEC 111	Recording Arts II	2
MTEC 120	Digital Audio Production I	2
MTEC 130	Electronic Music I	2
MTEC 140	Sound Reinforcement I	2
MTEC 160	Business of Music and Media I	3
MTEC 210	Recording Arts III	2
MTEC 211	Recording Arts IV	2
MTEC 220	Digital Audio Production II	2
MTEC 240	Sound Reinforcement II	2
Required Music Technology Electives (complete 6 units from the following):		6
MTEC 125	Sound for Visual Media	
MTEC 150	Acoustics and Audio Electronics	
MTEC 230	Electronic Music II	
MTEC 260	Business of Music and Media II	
Music Theory and Performance Training (complete 3 units from the following):		3
MUS 110	Theory/Musicianship I	
MUS 120	Piano I	
MUS 121	Piano II	
MUS 130A	Guitar I	
MUS 130B	Guitar II	
MUS 141A	Vocal Fundamentals I	
MUS 141B	Vocal Fundamentals II	
MUS 230A	Guitar III	
MUS 230B	Guitar IV	
MUS 241A	Advanced Vocal Techniques I	
MUS 241B	Advanced Vocal Techniques II	
Elective Courses (complete at least 3 units from the following):		3
BUS 130	Entrepreneurship and Small Business Management	
BUS 132	Marketing	
BUS 138	Business Promotion	
COMM 106	Group Communication	
CS 150	C++ Programming	
CS 151	Advanced C++ Programming	
CSIT 110	Computer Applications	
CSIT 120	Fundamentals of Computer Information Systems	
CSIT 155	Social Media for Business	
CSIT 160	Technology, the Individual, and Society	
DRAM 110	Voice and Diction	
FILM 101	Introduction to Film	
or FILM 101H	Introduction to Film (Honors)	
MAT 120	Media Design 1: Production	
MAT 125	Web Design 1: Fundamentals	
MAT 150	Animation and Interactivity	
MAT 160	Video 1: Production	
MAT 165	Web Design 2: WordPress and Site Production	
MAT 290	Portfolio Development	
MTEC 292	Internship Studies	
MTEC 299	Occupational Work Experience Education	
Total Units		**33**

Certificate of Achievement

Business of Music and Media

This program begins with the fundamentals of intellectual property and contract law and expands to the strategies of exploitation of creative works in today's marketplace. Students who complete the Business of Music and Media program can apply their skills to professional positions in all facets of the entertainment industry.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to do the following:

- Demonstrate an understanding of intellectual property laws as they specifically apply to the entertainment industry.
- Understand the process of affiliation with the appropriate organizations for the registration and collection of copyright royalties.
- Demonstrate the ability to understand and interpret contracts and terminology specifically found in the entertainment industry.

Course Requirements

Required courses:		
FILM 112	Film History II: 1948-Present	3
MTEC 160	Business of Music and Media I	3
MTEC 260	Business of Music and Media II	2
MUS 112	American Popular Music	3
Business Electives - select nine units from the following:		9
BUS 130	Entrepreneurship and Small Business Management	
BUS 131	Management Principles	
BUS 136	Human Relations in Business	
BUS 140	Legal Environment of Business	
Internship - select two units from the following:		2
MTEC 292	Internship Studies	

MUS 292	Internship Studies	
Total Units		**22**

Certificate of Proficiency

Music Technology

The Music Technology Certificate is designed to provide concepts and application of principles needed to successfully operate and maintain audio equipment. The curricula ranges from the recording studio to stage and touring. Upon successful completion a student will possess skills necessary for employment as an audio technician, producer, engineer and music products salesperson.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
DRAM 141	Lighting Design for Theatre, Television, and Film	3
or MTEC 160	Business of Music and Media I	
MTEC 110	Recording Arts I	2
MTEC 120	Digital Audio Production I	2
MTEC 130	Electronic Music I	2
MTEC 140	Sound Reinforcement I	2
MTEC 150	Acoustics and Audio Electronics	2
Total Units		**13**

Courses

MTEC 110: Recording Arts I
Units: 2
Prerequisites: None
Advisory: MUS 110 and MUS 144A
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This first in a sequence of four recording arts courses presents an introductory overview of the audio production process. Topics include the physics of sound, transducers, audio processors, and recording-studio logistics. C-ID CMUS130X.

MTEC 111: Recording Arts II
Units: 2
Prerequisites: MTEC 110 and MTEC 120.
Enrollment Limitation: Concurrent enrollment in MTEC 120 if MTEC 120 prerequisite not met.
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This is the second in a series of four courses designed as the study of the theory and application of methods and tools in the field of recording arts and audio production.

MTEC 120: Digital Audio Production I
Units: 2
Prerequisites: None
Advisory: MTEC 110.
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This course is a survey of the various procedures and technology used in contemporary audio production in the digital domain. Course work includes the Avid Pro Tools 101 Certification Test. Students are required to own or have ongoing personal access to a working copy of the Avid ProTools Digital Audio Software application and a suitable computer. C-ID CMUS-120X.

MTEC 125: Sound for Visual Media
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall

Students learn the theory and practice of audio production for film, television, and visual media. Topics include fundamentals of acoustics, microphones, digital audio workstations (DAWs), audio editing, and mixing.

MTEC 130: Electronic Music I
Units: 2
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This survey course explores the full range of Musical Instrument Digital Interface (MIDI) capable software and hardware including associated production techniques for music composition, performance, and recording.

MTEC 140: Sound Reinforcement I
Units: 2
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall

This course provides an overview of the theory and application of live concert sound reinforcement. Topics include the physics of sound, the individual sound system components and their functions, and the application and use of microphones, mixers, amplifiers, and speaker systems. Field trips are required for successful completion of the course.

MTEC 150: Acoustics and Audio Electronics
Units: 2
Prerequisites: None
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring

This course provides a comprehensive introduction to the fundamentals of acoustics and audio electronics principles. Students will explore key concepts such as sound wave properties, electronics theory, signal path, basic circuitry, transduction, and audio equipment maintenance. Participants will gain a theoretical understanding of audio theory that is used in music production, and practical hands-on experience in the application of those concepts in different acoustic environments.

MTEC 160: Business of Music and Media I
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall

This course explores the essential topics relevant to participation in the contemporary music and media industry: intellectual property rights, copyright law, publishing administration, performing rights organizations, music licensing, contracts, and artist representation. C-ID CMUS-140X.

MTEC 210: Recording Arts III
Units: 2
Prerequisites: MTEC 111.
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall

This third in a four-course sequence provides an in-depth technical and applied study of recording techniques covered in the previous recording arts courses. Topics include complex signal path routing, effects and dynamics processing, mixing and file export. Students work within a group and utilize studio time to complete assignments within a given timeline.

MTEC 211: Recording Arts IV
Units: 2
Prerequisites: MTEC 210.
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring

This fourth and final course in the recording arts sequence focuses on the technical, creative, and logistical aspects of commercial music production. Students are required to individually organize and complete several recording projects that meet specific contemporary music marketplace criteria.

MTEC 220: Digital Audio Production II
Units: 2
Prerequisites: MTEC 120.
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring

This course is an in-depth study of advanced digital audio production techniques in the Avid Pro Tools software environment. Specific topics include system setup, recording, editing, processing, mixing and synchronization of audio with video. Course work includes the Avid Pro Tools certification tests. Students are required to have access to a working copy of the Avid ProTools digital audio software application installed on a suitable computer.

MTEC 230: Electronic Music II
Units: 2
Prerequisites: MTEC 130.
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This course provides an exploration and in-depth study of the various techniques of synthesis and sound creation, and the art and science of their application in contemporary music and audio-post production. Students will learn how to design and edit natural and electronic sounds that can be used in music composition, or in conjunction with visual media.

MTEC 240: Sound Reinforcement II
Units: 2
Prerequisites: MTEC 140.
Enrollment Limitation: Not open to students with prior credit in MTEC 141.
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring

This course covers advanced topics in sound system design and operation, wireless theory and optimization, audio networking software, and advanced mixing techniques. Topics include audio software, audio system tuning, audio networking protocols, speaker theory and optimization, and festival planning and implementation. Field trips are required for successful completion of the course.

MTEC 260: Business of Music and Media II
Units: 2
Prerequisites: MTEC 160.
Acceptable for Credit: CSU
Lecture 2 hours.
Course Typically Offered: Spring

This second in a two-course series covers effective methods of exploitation and monetization of creative works in the current industry marketplace. Specific topics include careers in music and media, independent music production and distribution, synchronization and licensing, music submissions, marketing and publicity, and attaining relevant goals.

MTEC 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

MTEC 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Native American and Indigenous Studies

Native American and Indigenous studies is the interdisciplinary study of the histories, experiences, languages, cultures, knowledges, politics, and contemporary issues of Native American and/or Indigenous tribes, peoples, and communities in the United States from Native American and Indigenous perspectives.

Topics in Native American and Indigenous studies courses include Indigenous history and culture, Indigenous nationhood, tribal governments, sovereignty, decolonization, language preservation and revitalization, environmental justice, economic development, health care, and the diversity and beauty of contemporary Indigenous lives and experiences.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: Olivia Quintanilla
Dean: Jonathan Fohrman
Department: Ethnic Studies
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Craig Perez
India Pierce
Olivia Quintanilla
Katherine Steelman

Courses

NAIS 100: Introduction to Native American and Indigenous Studies
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to the interdisciplinary field of Native American and Indigenous studies through Native epistemologies and place-based learning. Students learn the diversity of traditional Native Americans across Turtle Island (i.e., the continent of North America), with a focus on tribes in California and San Diego. Topics include the history of settler colonialism, genocide, manifest destiny, displacement, reservations, and forced assimilation and are framed within the contexts of decolonization and self-determination. Students engage with the complex legal and political experiences of Native communities, such as the formation of treaties, tribal governance systems, sovereignty, and international law. Students also examine the revitalization, renaissance, and resurgence of Native American agency, identity, cultural practices, communities, and environmental movements.

Nursing

The Registered Nursing (ADN) and Licensed Vocational Nursing (LVN) Programs prepare students to care for patients in hospitals and other healthcare agencies through coursework in humanities, natural sciences, social sciences, and the nursing discipline. These programs emphasize nursing theory and clinical practice for direct patient care.

Licensure

Upon successful completion of the Associate Degree Nursing (ADN) program, graduates are eligible to apply for the National Council Licensure Examination for Registered Nurses. Upon successful performance on the examination, they are licensed as registered nurses (RNs).

Students completing the Certificate of Achievement in Licensed Vocational Nursing Program may take additional courses in general education to receive their Associate in Arts in Licensed

Vocational Nursing (see Associate Degrees (p. 73)). 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).

Students must have a high school diploma/equivalent or a degree in another field in order to take the NCLEX and/or apply for their RN license in the state of California.

Point System

A point system using multi-criteria approved by the California Community Colleges Chancellor's Office is used to accept students into the RN program. A list of this criteria is located on the Nursing & Allied Health webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nursing/).

Test of Essential Academic Skills (TEAS)

Students accepted into the RN program and LVN-to-RN program (degree seeking) must take the Test of Essential Academic Skills (TEAS) and receive a composite score of 62 percent or higher to be eligible to enter the program. Students who do not receive at least a 62 percent will be counseled and have a remediation plan developed. The remediation plan and retake of the TEAS exam must be submitted with program applications.

In lieu of completing a remediation plan, students may retake the TEAS examination after a six-month waiting period. A minimum score of 62% must be achieved.

For the RN program, only the score from the first TEAS attempt is used for point calculation. After six months, subsequent TEAS scores will be considered to improve points on the multi-criteria point system.

This program has been approved by the Board of Registered Nursing, P. O. Box 499210, Sacramento, CA 94244-2100.

Academic and Career Pathway

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

Contact Information

Chair: Alison Phinney
Dean: Danielle Lauria
https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nursing/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nursing/)

Department: Nursing and Allied Health
Office: Building OC5100, 760.757.2121 x 6466

Full-Time Faculty

Giana Carey
Olivia Dalton
Yvette Duncan
Roland Estrella
Yana Gardiner
Natalie Gonzales
Bobbi-Sue Johnson
Emily Mercuri
Michelle Odom
Allison Perkins
Alison Phinney

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. 73)). 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

Registered Nursing

The Registered Nursing program offers two tracks for students:

- Track I - Generic ADN
- Track II - LVN-RN (ADN). This track is for California Licensed Vocation Nurses only. Students must possess a valid LVN license to complete Track II.

Applications for admission are available on the Nursing & Allied Health webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nursing/). Requirements include an overall grade point average (GPA) of 2.5 for Human Anatomy (BIO 210), Human Physiology (BIO 220), and Microbiology (BIO 230) with no grade less than "C" for each course and no more than one repetition of any of these courses. Students must have a cumulative GPA of 2.5 for all college coursework taken. The selection criteria for admission to the program is consistent with California Community Colleges Chancellor's Office standards for Statewide Alignment of Associate Degree Nursing (ADN) prerequisites. The criteria can be found on the Nursing & Allied Health webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nursing/).

Students accepted into the Registered Nursing program must take the Test of Essential Academic Skills (TEAS) and receive a composite score of 62 percent or higher in order to begin the program. Study materials for the test are available from the ATI Nursing Education website (https://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, P. O. Box 499210, Sacramento, CA 94244-2100.

Program Student Learning Outcome

Upon completion of this program, the student will be able to:

- Apply the knowledge, skills and attitudes of a new graduate associate degree registered nurse to successfully pass the National Council Licensure Exam for Registered Nurses (NCLEX-RN) exam.
- Consistently utilize therapeutic communication with patients, support persons, and members of the interdisciplinary team, including verbal, nonverbal, and written methods.
- Using the nursing process, demonstrate clinical reasoning skills to recognize, analyze and prioritize complex and evolving patient needs to develop and implement a plan of care.
- Demonstrate competence in the application of electronic based resources to support evidenced-based learning, make informed clinical decisions, and ensure safe clinical practice.
- Manage, promote, coordinate, and administer safe nursing care by integrating the nursing process, clinical judgment and skills competency for diverse patients and families across the lifespan.

Track I: Generic ADN

Course Requirements

Students must have completed the following prerequisite courses before applying to the Registered Nursing (ADN) program:

BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab) *	3-4
or BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	
BIO 210	Human Anatomy	4
BIO 220	Human Physiology *	4
BIO 230	Introduction to Microbiology	5
ENGL C1000	Academic Reading and Writing *	4
Total Units		**20-21**

Required courses:		
COMM C1000	Introduction to Public Speaking *	3
or COMM C1004	Interpersonal Communication	
NURS 180	Fundamentals of Nursing	4
NURS 181	Medical Surgical Nursing I	4
NURS 182	Maternal-Child Nursing	5
NURS 183	Medical Surgical Nursing II	4.5
NURS 201	Pharmacology Essentials for Nursing Practice	3
NURS 281	Medical Surgical Nursing III	7
NURS 282	Psychiatric-Mental Health Nursing	3.5
NURS 283	Medical Surgical Nursing IV	7
NURS 284	Contemporary Nursing Practice and Leadership	1.5
PSYC C1000	Introduction to Psychology *	3
or PSYC C1000H	Introduction to Psychology (Honors)	
Additional associate degree requirements:		
GE Area 3 (MCGE) **		3
GE Area 6 (MCGE) **		3
Prerequisite Units		20-21
Total Units		**71.5-72.5**

* Course and its "or" counterpart(s) satisfy a general education requirement (GE) on the MiraCosta College General Education pattern (MCGE).

** This GE requirement may be met by submitting a transcript verifying completion of an associate or a bachelor's degree at an institution accredited by an agency recognized by the U.S. Secretary of Education.

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 coursework 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 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 with the ADN director to determine how to satisfy this requirement.

Students accepted into the LVN-RN (ADN) (Track II) program must take the Test of Essential Academic Skills (TEAS) and receive a composite score of 62 percent or higher in order to begin the program. Study materials for the test are available from the ATI Nursing Education website (https://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, P. O. Box 499210, Sacramento, CA 94244-2100.

Course Requirements

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
BIO 220	Human Physiology *	4
BIO 230	Introduction to Microbiology *	5
ENGL C1000	Academic Reading and Writing *	4
NURS 201	Pharmacology Essentials for Nursing Practice	3
Total Units		**23-24**

Required courses:		
COMM C1000	Introduction to Public Speaking *	3
or COMM C1004	Interpersonal Communication	
NURS 280	Transition from LVN to RN	2.5
NURS 281	Medical Surgical Nursing III	7
NURS 282	Psychiatric-Mental Health Nursing	3.5
NURS 283	Medical Surgical Nursing IV	7
NURS 284	Contemporary Nursing Practice and Leadership	1.5
PSYC C1000	Introduction to Psychology *	3
or PSYC C1000H	Introduction to Psychology (Honors)	
Additional associate degree requirements:		
GE Area 3 (MCGE) **		3
GE Area 6 (MCGE) **		3
Prerequisite Units		23-24
Total Units		**56.5-57.5**

* Course and its "or" counterpart(s) satisfy a general education requirement (GE) on the MiraCosta College general education pattern (MCGE).

** This GE requirement may be met by submitting a transcript verifying completion of an associate or a bachelor's degree at an institution accredited by an agency recognized by the U. S. Secretary of Education.

Non-Degree 30-Unit Option for LVNs

Any LVN licensed in the state of California is eligible to apply for the non-degree 30-Unit Option LVN-RN program, for which MiraCosta College acts as a facilitator. Prescribed by the Board of Registered Nursing (BRN), this option allows students with a current California LVN license to meet the minimum requirements to sit for the Registered Nursing licensure exam by completing a maximum of 30 units.

Course Requirements

Prerequisite course requirements:		
BIO 220	Human Physiology	4
BIO 230	Introduction to Microbiology	5
Nursing course requirements:		
NURS 280	Transition from LVN to RN	2.5
NURS 281	Medical Surgical Nursing III	7
NURS 282	Psychiatric-Mental Health Nursing	3.5
NURS 283	Medical Surgical Nursing IV	7
NURS 284	Contemporary Nursing Practice and Leadership *	
Total Units		**29**

* NURS 284 is optional.

The 30-Unit Option has both advantages and disadvantages. The primary advantage is that students take fewer courses to become licensed and do not repeat any content included in their vocational nursing program (such as pediatrics and maternity). Disadvantages include the following:

- Students who complete this option are not awarded a degree or certificate from MiraCosta College and are not entitled to wear the Nursing Program pin.
- Students who complete this option, subsequently become California RNs, and then wish to become licensed in another state will likely find they do not meet RN licensure requirements outside of California.

Applicants who desire the 30-Unit Option complete the same application form required for LVN-ADN Step-Up students and indicate this choice on the application form where appropriate. Students may apply upon completion of the program prerequisite courses. Applications are available on the Nursing webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nursing/).

Certificates

Certificate of Achievement

Licensed Vocational Nursing

The MiraCosta College Licensed Vocational Nursing program leads 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.

Students must have a valid California CNA License and complete NURS 100 and NURS 151, which are prerequisites, 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, please visit the LVN Program webpage (https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nursing/lvn-program.html).

Program Student Learning Outcome

Upon completion of this program, the student will be able to:

- apply the knowledge, skills and attitudes of a new graduate vocational nurse to successfully pass the National Council Licensure Exam for Vocational/Practical Nurses (NCLEX-PN) exam;
- consistently implement therapeutic communication with patients, support persons, and members of the interdisciplinary team, using verbal, nonverbal, and written methods;
- use the nursing process and clinical reasoning skills to recognize and report on basic and evolving patient needs, and contribute to the development and implementation of a plan of care under the direction of a registered nurse or other licensed healthcare provider;
- demonstrate competence in using electronic-based resources to support evidence-based learning, assist in informed clinical decision-making, and promote safe and effective patient care;
- apply the nursing process and clinical reasoning skills to recognize and report patient needs, and to contribute to the prioritization, development, and implementation of a plan of care under the supervision of a registered nurse or other licensed healthcare provider;
- provide safe, patient-centered nursing care by applying the nursing process, demonstrating clinical judgment, and utilizing skills competency while assisting in the care of diverse patients and families across the lifespan, under the direction of a registered nurse or other licensed healthcare provider.

Course Requirements

Prerequisites:		
NURS 100	Basic Pharmacology–Dosages and Calculations	3
NURS 151	Body Systems Survey for Health Professions	3
Required courses:		
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
Total Units		**51**

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

Upon completion of this program the student will demonstrate safe and effective basic care and comfort to the health care consumer.

Course Requirement

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

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.

Course Requirements

Required courses:		
NURS 64	Home Health Aide	2
NURS 160	Certified Nursing Assistant	6.5
Total Units		**8.5**

Courses

NURS 64: Home Health Aide
Units: 2
Prerequisites: NURS 160 or current California Certified Nursing Assistant (CNA) certificate (CNA state exam results, including written and skills portions, must be submitted to the Home Health Aide program director by the second week of the program).
Lecture 1.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring

This 48-hour course is designed for the certified nursing assistant to meet the state requirement of 40 hours to obtain a Home Health Aide Certificate. Topics include the role of the home health aide, federal and state requirements for the home health aide, interpretation of medical and social needs of people being served, personal care services, nutrition and cleaning, and care tasks in the home.

NURS 100: Basic Pharmacology–Dosages and Calculations
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in PHAR 100.
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces important concepts, methods, and principles of administering medications. Topics include drug action and drug interaction, drug classifications, terminology, pertinent abbreviations, legalities, pharmacokinetics, and pharmacodynamics as well as problem solving for accurate measurement of medications using the apothecary and metric systems, conversion of these systems, ratio, proportion, and other formulas. Formerly PHAR 100.

NURS 151: Body Systems Survey for Health Professions
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
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 153: Pathophysiology for Health Professions
Units: 3
Prerequisites: NURS 151.
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall

This pathophysiology course is intended for students who are preparing for a career in health professions. The course focuses on disease processes in the human body from a systems approach and includes an analysis of the most common and significant diseases. Students use appropriate medical terminology to examine the signs, symptoms, etiology, diagnosis, and treatment of disease.

NURS 155: Basic Medical Terminology
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers the origin, correct spelling, pronunciation, meaning, and correct usage of common medical terms and their application to clinical records and reports. It emphasizes the roots, prefixes, suffixes, medical abbreviations, symbols, and terms commonly used in medical records.

NURS 160: Certified Nursing Assistant
Units: 6.5
Prerequisites: ESL 150, or eligibility determined by the English placement process; AHA BLS Provider card. (Submit valid SSN, MCC physical, current flu shot, and TB clearance to T420 two weeks before first class meeting.)
Acceptable for Credit: CSU
Lecture 4 hours, laboratory 7.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers basic nursing skills, including fundamentals of nursing, nutrition, gerontology, and home nursing. It is a prerequisite for MiraCosta's Licensed Vocational Nursing program and has been approved by the California Department of Public Health for the Certified Nursing Assistant certification. Upon successful completion of the course, students may seek employment in long-term and skilled nursing facilities, acute care, and in-home care. Students with prior convictions for misdemeanors or felonies will need to be cleared by the California Department of Public Health. This is done with a Live Scan on the second day of class. Formerly NURS 60.

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, or BIO 220; and admission to the LVN program.
Acceptable for Credit: CSU
Lecture 4.50 hours, laboratory 9 hours.
Course Typically Offered: Fall even yrs, Summer

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: $550.00.

NURS 171: Licensed Vocational Nursing II
Units: 7.5
Prerequisites: NURS 170.
Acceptable for Credit: CSU
Lecture 4.50 hours, laboratory 9 hours.
Course Typically Offered: Fall, Spring even 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. Materials Fee: $310.00.

NURS 172: Licensed Vocational Nursing III
Units: 7.5
Prerequisites: NURS 171.
Acceptable for Credit: CSU
Lecture 4.50 hours, laboratory 9 hours.
Course Typically Offered: Fall, Summer odd yrs

This course introduces the vocational nursing student to perioperative and medical-surgical nursing, the genitourinary and gastrointestinal systems, and communicable diseases. Each unit integrates related anatomy, pathophysiology, psychosocial, pharmacology, and nutrition considerations.

NURS 173: Licensed Vocational Nursing IV
Units: 7.5
Prerequisites: NURS 172.
Acceptable for Credit: CSU
Lecture 4.50 hours, laboratory 9 hours.
Course Typically Offered: Fall odd yrs, Spring

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. Materials Fee: $310.00.

NURS 180: Fundamentals of Nursing
Units: 4
Prerequisites: None
Enrollment Limitation: Admission to RN program.
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 6 hours.
Course Typically Offered: Fall, Spring

This entry-level nursing course introduces students to the core concepts, principles, and clinical skills common to all areas and levels of the nursing practice. It provides the platform upon which all subsequent nursing courses build. Its integration of clinical experiences may include acute, long-term, and perioperative/ambulatory care settings as well as college laboratory simulations. Materials Fee: $1477.00.

NURS 181: Medical Surgical Nursing I
Units: 4
Prerequisites: NURS 180 (ADN).
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 6 hours.
Course Typically Offered: Fall, Spring

This course introduces the basic concepts required to care for adult patients with stable and/or less complex medical-surgical health problems. It emphasizes the management of unmet needs and the nursing process as organizing frameworks for providing nursing care. Students integrate and apply theoretical concepts and clinical skills in acute, long-term, and perioperative/ambulatory care settings as well as college laboratory simulations.

NURS 182: Maternal-Child Nursing
Units: 5
Prerequisites: NURS 183.
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 6 hours.
Course Typically Offered: Fall, Spring

This course relates the nursing process to the needs of maternity and pediatric patients and their families. Students adapt previously learned skills and knowledge to the observation and direct care of normal- and high-risk populations. The integration of students' clinical experiences may include acute, long-term, and perioperative/ambulatory care settings as well as college laboratory simulations. Non-clinical and clinical activities may be presented in an online format.

NURS 183: Medical Surgical Nursing II
Units: 4.5
Prerequisites: NURS 181 (ADN).
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 7.50 hours.
Course Typically Offered: Fall, Spring

This course continues the study of caring for adult patients with unmet medical needs. It emphasizes perioperative health care needs across the adult life span and respective nursing interventions. Clinical simulations and experiences provide students with opportunities to apply theoretical concepts, improve clinical judgment, and broaden clinical skills in acute, long-term, perioperative/ambulatory, and/or college nursing lab care settings. Non-clinical activities in this course may be presented in an online format. Materials Fee: $549.00.

NURS 185: Nursing Skills/Simulation Laboratory I
Units: 0.5-1
Prerequisites: Students must be accepted for re-entry into the ADN, LVN, or LVN-RN programs or concurrently enrolled in NURS 170, NURS 171, NURS 180, NURS 181, or NURS 280 if prerequisite not met.
Acceptable for Credit: CSU
Laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course gives students the opportunity to apply related theoretical concepts with supervised practice of fundamental patient care skills and procedures that are presented in beginning nursing courses. Topics include the nursing process, patient assessment, fundamental nursing skills, and medication administration. This course is intended for beginning nursing students in the Associate Degree Nursing (ADN) Program, Licensed Vocational Nursing Program (LVN), and LVN-RN Nursing Program. This course is also open to accepted re-entry students who need to remediate skills prior to returning to the nursing program. Offered pass/no pass only.

NURS 186: Nursing Skills/Simulation Laboratory II
Units: 0.5-1
Prerequisites: None
Corequisite: NURS 182 or NURS 183.
Acceptable for Credit: CSU
Laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course provides students with the opportunity to apply related theoretical concepts with supervised practice of patient care skills and procedures related to specialty patient populations. Topics include the nursing process, patient assessment, intermediate nursing skills, and medication administration. This course is intended for nursing students in the Associate Degree Nursing (ADN) and LVN-RN nursing program. Offered pass/no pass only.

NURS 201: Pharmacology Essentials for Nursing Practice
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in PHAR 201.
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course covers pharmacology principles and major drug groups. It emphasizes applying the nursing process to the utilization of therapeutic drugs to address health problems. Students develop quantitative reasoning skills necessary for accurate drug dosage calculations and safe medication administration. Topics include pharmacokinetics, pharmacodynamics, dosage calculations, principles of medication administration, and variables that impact drug therapy. This course satisfies a major requirement for the registered nursing programs. Formerly PHAR 201.

NURS 274: Licensed Vocational Nursing V
Units: 7.5
Prerequisites: NURS 173.
Acceptable for Credit: CSU
Lecture 4.50 hours, laboratory 9 hours.
Course Typically Offered: Spring

This course introduces the advanced vocational nursing student to the nursing care of patients with circulatory and respiratory diseases and disorders as well as home health/hospice and leadership. Each unit integrates related anatomy, pathophysiology, pharmacology, psychosocial, and nutrition considerations. The course also covers leadership, supervision skills, and interpersonal relationships.

NURS 275: Licensed Vocational Nursing VI
Units: 7.5
Prerequisites: NURS 274.
Acceptable for Credit: CSU
Lecture 4.50 hours, laboratory 9 hours.
Course Typically Offered: Summer

This course introduces the advanced vocational nursing student to the nursing care of obstetric, gynecologic, pediatric, and mentally ill patients as well as growth and development of the child and adolescent. Each unit integrates related anatomy, pathophysiology, psycho-social, pharmacology, and nutrition considerations. The course includes professional adjustment to prepare the nursing student for employment.

NURS 280: Transition from LVN to RN
Units: 2.5
Prerequisites: None
Enrollment Limitation: Acceptance into LVN to RN program.
Acceptable for Credit: CSU
Lecture 1.50 hours, laboratory 3 hours.
Course Typically Offered: Summer

This course facilitates the transition of the licensed vocational nurse (LVN) into the roles and responsibilities of the registered nurse (RN). It introduces the philosophy and conceptual framework of the RN as member of the discipline and provider of care. The course content focuses on competencies expected of the graduate Associate Degree Nurse (ADN), including clinical reasoning skills, role development, clinical skills, and the nursing process. Materials Fee: $1245.00.

NURS 281: Medical Surgical Nursing III
Units: 7
Prerequisites: NURS 182 or NURS 183 (ADN); and NURS 280 (LVN to RN).
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 12 hours.
Course Typically Offered: Fall, Spring

This course continues the study of caring for adult patients with unmet medical needs. It examines the effect of complex and chronic health problems on the physiologic and psychosocial integrity of the adult and elderly patient. Students apply theoretical concepts, improve clinical judgment, and broaden clinical skills in acute, long-term, perioperative/ambulatory, and/or college nursing lab settings. Non-clinical activities may be presented in an online format. Materials Fee: $549.00.

NURS 282: Psychiatric-Mental Health Nursing
Units: 3.5
Prerequisites: NURS 182 or NURS 183 (ADN); and NURS 280 (LVN to RN).
Acceptable for Credit: CSU
Lecture 2 hours, laboratory 4.50 hours.
Course Typically Offered: Fall, Spring

This course introduces students to the theory and practice of nursing as related to mental health and illness. It examines how mental healthcare problems impact client integrity in various healthcare settings, and it emphasizes how therapeutic communication establishes and maintains effective nurse-client relationships. Non-clinical activities may be presented in an online format.

NURS 283: Medical Surgical Nursing IV
Units: 7
Prerequisites: NURS 281 and NURS 282.
Acceptable for Credit: CSU
Lecture 3 hours, laboratory 12 hours.
Course Typically Offered: Fall, Spring

This course focuses on the theory and practice of nursing necessary to assist the acute and critically ill across the lifespan in achieving client integrity. It emphasizes refining use of the nursing process to provide nursing care for individuals with complex and acute health problems. Students apply advanced theoretical knowledge, critical thinking, and psychomotor skills in practical situations. Non-clinical activities may be presented in an online format. Materials Fee: $549.00.

NURS 284: Contemporary Nursing Practice and Leadership
Units: 1.5
Prerequisites: NURS 181 or NURS 282.
Acceptable for Credit: CSU
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring

This course facilitates the student's transition to entry-level registered nursing practice. It presents management and leadership concepts that are applicable to a variety of healthcare settings. Topics include transitioning from student to registered nurse, decision-making, organization, values clarification, resource allocation, and health care trends.

NURS 285: Nursing Skills/Simulation Laboratory III
Units: 0.5-1
Prerequisites: None
Corequisite: NURS 281 or NURS 282.
Acceptable for Credit: CSU
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides students with the opportunity to apply related theoretical concepts with supervised practice of patient care skills and procedures for patients across the lifespan. Topics include the nursing process, patient assessment, advanced nursing skills, and medication administration. This course is intended for nursing students in the Associate Degree Nursing (ADN) and LVN-RN nursing programs. Offered pass/no pass only.

NURS 286: Nursing Skills/Simulation Laboratory IV
Units: 0.5-1
Prerequisites: None
Corequisite: NURS 283.
Acceptable for Credit: CSU
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides students with the opportunity to apply related theoretical concepts with supervised practice of patient care skills and procedures for critically ill patients. Topics include the nursing process, patient assessment, critical care nursing skills, and medication administration. This course is intended for nursing students in the Associate Degree Nursing (ADN) and LVN-RN Nursing Programs. Offered pass/no pass only.

NURS 288: Nurse Externship
Units: 0.5-14
Prerequisites: NURS 183 (Generic RN) or NURS 280 (LVN-RN Bridge)
Corequisite: Concurrent enrollment in Nursing Program and complete 54 hours of work per unit.
Acceptable for Credit: CSU
Laboratory 42 hours.
Course Typically Offered: Fall, Spring

This course provides registered nursing (RN) students an opportunity to obtain clinical experience in the application of all previously learned knowledge and skills. Students work collaboratively with a faculty mentor, RN supervisor, and members of the health care team to meet job-oriented learning objectives. Under an RN's supervision, students are provided opportunities to increase their nursing judgment and enhance their nursing skills as preparation for their role as professional graduate nurses.

NURS 290: Critical Care
Units: 1.5
Prerequisites: None
Enrollment Limitation: Instructor Consent. Students need to be in the last semester of an RN program or equivalent.
Acceptable for Credit: CSU
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring

This course introduces students to critical care concepts and care of critically patients experiencing varied disorders. It discusses the relationship of pathophysiology to clinical manifestations that patients experience and the interventions the registered nurse needs to implement to improve patient outcomes. Topics include rhythm and 12 lead electrocardiogram (ECG) analysis and treatment, shock syndromes, medications used to maintain hemodynamic stability and perfusion, maintenance of artificial airways, and mechanical ventilation.

NURS 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

NURS 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Nutrition

The Nutrition discipline includes courses that provide students with the scientific basis and applied knowledge of food and nutrition. The courses fulfill general education requirements and also enable students to transfer and pursue majors in nutrition or other health-related majors.

Nutrition majors work in health-care facilities, community and public health organizations, academia and research, the food industry, health/fitness and sports industries, journalism, and general business corporate wellness programs.

Academic and Career Pathway

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

Contact Information

Chair: Robert Fulbright
Dean: Danielle Lauria
https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nutrition/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/health-sciences/nutrition/)

Department: Kinesiology, Health and Nutrition
Office: Building OC5100, 760.757.2121 x6466

Full-Time Faculty

Gail Meinhold

Associate Degree

Associate in Science Degree

Nutrition and Dietetics for Transfer

The Associate in Science in Nutrition and Dietetics for Transfer (AS-T) degree is intended to meet the lower-division requirements for nutrition and dietetics majors, an emphasis or option within a nutrition or dietetics major, or a major considered similar to a nutrition and dietetics major at a participating California State University (CSU) campus. The degree prepares students for a career in nutrition and dietetics and to function in a variety of nutrition, public health, and clinical settings.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a nutrition or dietetics major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to relate and apply the key theories and concepts of nutrition to advanced academic study.

Course Requirements

Required Core Courses:

BIO 230	Introduction to Microbiology *	5
CHEM 150	General Chemistry I: For Science Majors *	5
NUTR 100	Nutrition Today	3
PSYC C1000	Introduction to Psychology *	3
or PSYC C1000H	Introduction to Psychology (Honors)	
List A: Select two courses.		8-10
BTEC 180	Biostatistics *	
or BUS 204	Business Statistics	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
or STAT C1000	Introduction to Statistics	
or STAT C1000E	Introduction to Statistics (Embedded Support)	
or STAT C1000H	Introduction to Statistics (Honors)	
CHEM 151	General Chemistry II: For Science Majors *	
List B (choose one course):		3
NUTR 108	Cultural Aspects of Foods and Nutrition *	
NUTR 120	Principles of Food Science with Lab	
Total Units		**27-29**

* Course satisfies a general education requirement on the Cal-GETC pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement. Note: All of the statistics and honors courses listed are also general education courses.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Certificate

Certificate of Proficiency

Fitness Nutrition Specialist

This certificate provides the knowledge, skills, and abilities to successfully work with clients and athletes seeking basic nutritional guidance and to fight the battle against global obesity. It is designed for students currently working on or holding the Personal Fitness Trainer Certificate of Achievement. Upon completion of the certificate program, students may consider sitting for the National Academy of Sports Medicine (NASM) Fitness Nutrition Specialist exam, the American Council on Exercise (ACE) Lifestyle & Weight Management Coach exam, and/or the International Fitness Professionals Association (IFPA) Sports Nutrition Specialist exam.

Program Student Learning Outcome

Upon completion of this program, students will be able to counsel healthy clients on basic nutritional guidelines and on weight loss.

Course Requirements

Required courses:		
NUTR 100	Nutrition Today	3
KINE 204	Techniques and Analysis of Fitness and Weight Training	3
NUTR 105	Human Performance and Sports Nutrition	3
HEAL 205	Integrative Health and Wellness	3
or NUTR 108	Cultural Aspects of Foods and Nutrition	
Total Units		**12**

Courses

NUTR 100: Nutrition Today
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in NUTR 100H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is an introduction to nutrition science, integrating concepts from anatomy, physiology, chemistry, biochemistry, microbiology, and psychology to explain the interaction between nutrients and the human body. It explores the biological basis of nutrient standards and examines the effects of nutrition, behavior, and exercise on human health and disease. Students will explore scientific inquiry—from scientific investigation, observation, and hypothesis development to evidence-based reasoning—while applying foundational principles of nutrition science. Topics include functions and sources of nutrients, nutrition guidance models, nutrition-related body systems, risks associated with excesses and deficiencies throughout the lifecycle, nutrition for fitness and athletic performance, the lack of equity in access to food and nutrition information, and food safety. Students will utilize a nutritional analysis software to evaluate their dietary intake.

NUTR 105: Human Performance and Sports Nutrition
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces nutrition concepts to individuals interested in sports, fitness, and health for various stages of the life cycle. It emphasizes current theories and practices related to nutrition and athletic performance. Topics include macro and micro nutrient intakes, hydration, pre- and post-event food, supplements and ergogenic aids, weight control, and body composition related to performance. The course also examines the cultural, sociological, and psychological influences related to nutrition, fitness, and athletic achievement. UC CREDIT LIMITATION: Credit for NUTR 100, NUTR 105, or NUTR 125.

NUTR 108: Cultural Aspects of Foods and Nutrition
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course examines the regional, ethnic, cultural, religious, historical, and social influences on food patterns, cuisines, and health as well as how food is viewed as an expression of cultural diversity. Students discuss, sample, and assess traditional foods of geographic areas and cultures. They also explore geographic factors in food availability, global food issues, dietary habits, religious influences on food culture, and nutrition problems of various ethnic groups. The course also addresses nutrition consequences of ethnic food choices and sanitation and safety practices.

NUTR 120: Principles of Food Science with Lab
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on the application of food science principles with emphasis on chemical, physical, and microbiological properties of foods, ingredient function and interaction, food science techniques, sensory analysis of food products, fresh and processed food technologies, food safety and sanitation, and nutrient and phytochemical composition of food. Students will explore scientific inquiry – from scientific investigation, observation, and hypothesis development to evidence-based reasoning – while applying scientific food principles. Students will practically apply these scientific food principles to laboratory problems in weekly experimental labs. It is the student's responsibility to purchase needed lab supplies. C-ID NUTR-120.

NUTR 125: Nutrition and Aging
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on the specific nutritional needs and problems in older adults. Topics include nutritional requirements, diet modifications, body system changes, body weight issues, nutrition-related chronic diseases, barriers to proper nutrients, drug/nutrient interactions, and community resources to assist the aging population. Diet and nutritional issues related to aging in a contemporary society are examined from physiological, sociological, psychological, and economic perspectives. UC CREDIT LIMITATION: Credit for NUTR 100, NUTR 105, or NUTR 125.

NUTR 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

NUTR 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Oceanography

Oceanography is the scientific study of the ocean and its phenomena. Students take courses to prepare for a major in oceanography and to fulfill physical science general education requirements. Career options include teaching, research, marine product sales, marine safety, and a variety of positions in private and public environmental agencies.

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Contact Information

Chair: Erika Peters(Physical Sciences)
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/oceanography/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/oceanography/)

Department: Physical Sciences
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Marina Argueta
Roberto Falero
Eric Snortum

Courses

OCEA 101: Introduction to Oceanography
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in OCEA 101H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course explores the major processes and features of the world's oceans. Topics include the origin and history of the ocean basins, atmospheric circulation and weather, ocean circulation, and the dynamics of waves, tides, and coastlines. The course also reviews marine life (including plankton, nekton, benthos, and marine mammals), explores the oceans as a resource for people, and considers human impacts on marine environments. UC CREDIT LIMITATION: Credit for OCEA 101 or OCEA 101H.

OCEA 101H: Introduction to Oceanography (Honors)
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in OCEA 101.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring even years

This course offers students an enriched introduction to the scientific study of the oceans. The course explores the major processes and features of the world's oceans, including plate tectonics, the origin and history of the ocean basins, atmospheric circulation, weather and climate, ocean circulation, and the dynamics of waves, tides, and coastlines. The course also reviews marine life (including plankton, nekton, benthos, and marine mammals), explores the oceans as a resource for people, and considers human impacts on marine environments. UC CREDIT LIMITATION: Credit for OCEA 101 or OCEA 101H.

OCEA 101L: Introductory Oceanography Laboratory
Units: 1
Prerequisites: OCEA 101 or OCEA 101H.
Enrollment Limitation: Concurrent enrollment in OCEA 101 or OCEA 101H if prerequisite not met.
Acceptable for Credit: CSU, UC
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course is designed to accompany Oceanography 101 or 101H. It offers experience with oceanographic materials and methods in both the laboratory and field. Topics include reading navigational charts, interpreting sea floor features, analyzing marine sediments and seawater chemistry, and studying waves and tides.

OCEA 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Philosophy

Philosophy is the study of the fundamental nature of reality, knowledge, and values based on logical reasoning. Students take philosophy courses to prepare for a major or to fulfill general education requirements in humanities or critical thinking.

With a bachelor's degree in philosophy, students pursue careers in education, business, government, journalism, computer science, publishing, and writing. A philosophy major also provides excellent undergraduate preparation for graduate studies in the discipline, law school, MBA programs, medical school, and professional seminary.

Academic and Career Pathway

Languages, Communication, and Humanities (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/)

Contact Information

Chair: Jeffrey Murico
Dean: Lauren Halsted
https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/philosophy/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/philosophy/)

Department: Philosophy and Religious Studies
Office: San Elijo, Building SAN1100, 760.795.6841

Full-Time Faculty

Adam Chin
Amena Coronado

Courses

PHIL 100: Critical Thinking and Argumentative Writing
Units: 3
Prerequisites: ENGL C1000.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course develops critical thinking skills that can be applied in all areas of life. It emphasizes effectively understanding, evaluating, and constructing written arguments. Topics include inductive and deductive reasoning, cognitive biases, fallacies, credibility, and explanations. Using examples from the news and social media, the Internet, advertising, political speeches, and other real-life examples from a variety of culturally diverse sources, students learn to distinguish between good and bad arguments and practice producing coherent argumentative essays in support of their beliefs.

PHIL 101: Introduction to Philosophy: Knowledge and Reality
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in PHIL 101H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This introduction to philosophical inquiry emphasizes problems of knowledge and reality through the analysis of classical and contemporary works on such issues as free will, personhood, knowledge and belief, the existence of God, and the nature of reality. The course encourages students to think independently and formulate their own tentative conclusions. UC CREDIT LIMITATION: Credit for PHIL 101 or PHIL 101H. C-ID PHIL-100.

PHIL 101H: Introduction to Philosophy: Knowledge and Reality (Honors)
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in PHIL 101.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring odd, Summer even yrs

This course introduces 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: Ethical Problems
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

How do we know the right thing to do? Do we owe anything to others? What does a good life look like? This course examines these questions and others through exploration of ethical theories and the ethical problems that arise in our world. The course helps students develop skills to assess moral concepts, identify and analyze ethical problems and their potential solutions, and formulate their own ethical commitments. C-ID PHIL-120, LPPS-120.

PHIL 110: Introduction to Logic
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in PHIL 110H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces propositional and predicate logic. Topics include deductive and inductive reasoning, validity, truth tables, translations, quantifiers, and proofs. This course is open to any student, but it may be of particular interest to philosophy, math, and computer science majors.

PHIL 221: Philosophy of Religion
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course introduces the philosophical study of both religion and the central concepts found in Eastern and Western religious traditions, as well as traditions that fall outside the boundaries of such classical distinctions (e.g., Indigenous and Africana traditions). It encourages students to think rationally, critically, and independently about the beliefs of religious adherents. Topics include arguments for theism and atheism, the validity of religious experience, the problem(s) of evil, the meaning of karma, concepts of God and Ultimate Reality, the possibility of miracles, and the value of religion.

PHIL 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

PHIL 302: Bioethics
Units: 3
Prerequisites: None
Enrollment Limitation: Only open to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.
Lecture 3 hours.
Course Typically Offered: Spring

This course examines the application of ethical theory to issues in biology and medicine through case studies and classical and contemporary readings in ethical theory and applied ethics. It explores major ethical theories, including utilitarianism, Kantian ethics, natural law theory, social contract theories, and feminist ethics, as they apply to contemporary issues in biology and medicine, such as cloning, transplantation, defining life and death, genetic testing and manipulation, the ethical conduct of research and experimentation, and the just distribution of scarce medical resources. This course is open only to students enrolled in the bachelor's degree program in biomanufacturing at MiraCosta College.

Physical Science

Physical science, the study of the nature and properties of energy and nonliving matter, is an interdisciplinary field that includes astronomy, geology, physics, and chemistry.

Students take physical science courses to explore the discipline, satisfy general education requirements, and meet one of the science requirements for the liberal studies (K–5) teaching major.

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Contact Information

Chairs: Kent McCorkle(Chemistry), Erika Peters(Physical Sciences)
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/physical-science/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/physical-science/)

Department: Chemistry and Physical Sciences
Office: Building OC4800, 760.757.2121 x6924

Certificates

Certificate of Achievement

Sustainability Studies

Sustainability entails lifelong behaviors that ensure societal well-being and survival in the natural world. This certificate prepares students to make sustainability decisions regarding the physical, social, and economic environments in which they live. Students are strongly encouraged to work with a MiraCosta counselor to ensure that this pathway certificate is incorporated into their selected general education pattern.

Program Student Learning Outcome

Upon completion of this program, the student will be able to analyze sustainability issues and evaluate the effect on physical, social, and economic environments.

Course Requirements

Select one course:		3
EART 106	Earth and Space Science	
GEOG 101	Earth's Dynamic Environment: Introduction to Physical Geography	
PHSN 106	Introduction to Physical Science: Physics and Chemistry	
Select one combined lecture and lab course or a correlating lecture and lab course.		3-4
BIO 102	Introductory Biology: Ecology and Environmental Biology	
BIO 108 & 108L	Introductory Biology: Ocean Ecology and Sustainability and Introductory Biology: Ocean Ecology and Sustainability Lab	
HORT 115	Soil Science	
Complete the courses below.		6
DESN 107	History of Western Architecture-A Sustainable Perspective	
GEOG 108	Environmental Sustainability and Society	
Total Units		**12-13**

Courses

PHSN 106: Introduction to Physical Science: Physics and Chemistry
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces the non-scientist to the fundamental concepts of physics and chemistry. Physics topics include motion, force, work, energy, gravity, electricity, magnetism, light, and subatomic particles and forces. Chemistry topics include chemical and physical properties of elements and compounds, the periodic table, atomic theory and structure, chemical bonding, and nuclear structure and processes. This course also teaches students how to analyze and solve problems using critical thinking and the scientific method. UC CREDIT LIMITATION: No credit if taken after college course in chemistry or physics.

PHSN 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Physics

Physics is the scientific study of the basic forces of nature, including such topics as mechanics, heat, electricity, magnetism, waves, optics, quantum mechanics, and atomic and nuclear structure.

Students take courses to prepare for a physics major, to fulfill general education requirements, and to meet prerequisites for related courses and programs, including engineering, science, and computer science.

Career options for those with a bachelor's degree in physics include engineering, research, and teaching in universities, government, and private industry.

Academic and Career Pathway

Math and Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/)

Contact Information

Chair: Erika Peters(Physical Sciences)
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/physics/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/math-and-sciences/physics/)

Department: Physical Sciences
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Kellita Felton
Khang Nguyen
Erika Peters

Courses

PHYS 111: Introductory Physics I
Units: 4
Prerequisites: MATH 131.
Enrollment Limitation: Not open to students with prior credit in PHYS 111H, PHYS 151, or PHYS 151H.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall

This first course of a two-semester physics sequence covers the properties of matter, mechanics, heat, and waves, including sound. It is intended for students majoring in pre-medicine, pre-dentistry, pre-optometry, and similar areas. UC CREDIT LIMITATION: Credit for either series PHYS 111 and PHYS 112 or PHYS 151, PHYS 152, and PHYS 253. C-ID PHYS-105, PHYS-100S (with PHYS 112).

PHYS 112: Introductory Physics II
Units: 4
Prerequisites: PHYS 111.
Enrollment Limitation: Not open to students with prior credit in PHYS 112H, PHYS 152,
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Spring

This second of a two-course physics sequence covers light, electricity, magnetism, and atomic physics. UC CREDIT LIMITATION: Credit for either series PHYS 111 and PHYS 112 or PHYS 151, PHYS 152, and PHYS 253. C-ID PHYS-110, PHYS-100S (with PHYS 111).

PHYS 151: Principles of Physics I
Units: 4
Prerequisites: MATH 150, MATH 150H, MATH 150S, MATH C2210, MATH C2210H,or MATH C2210E.
Enrollment Limitation: Not open to students with prior credit in PHYS 151H.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides a thorough understanding of the fundamental principles of physics in the area of mechanics and fluids. It is intended primarily for engineering, physics, mathematics, and science majors. UC CREDIT LIMITATION: Credit for either series PHYS 111 and PHYS 112 or PHYS 151, PHYS 152, and PHYS 253. C-ID PHYS-205 and PHYS-200S (with PHYS 152 and PHYS 253).

PHYS 152: Principles of Physics II
Units: 4
Prerequisites: MATH 155 or MATH C2220 and PHYS 151.
Enrollment Limitation: Concurrent enrollment in MATH C2220 if math prerequisite not met. Not open to students with prior credit in PHYS 152H.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides a thorough understanding of the fundamental principles of physics in the areas of thermodynamics, electricity, electrical circuits, magnetism, and electromagnetic fields. It is intended for engineering, physics, mathematics, and science majors. UC CREDIT LIMITATION: Credit for either series PHYS 111 and PHYS 112 or PHYS 151, PHYS 152, and PHYS 253. C-ID PHYS-210 and PHYS-200S (with PHYS 151 and PHYS 253).

PHYS 253: Principles of Physics III
Units: 4
Prerequisites: PHYS 152.
Enrollment Limitation: Concurrent enrollment in PHYS 152 if prerequisite not met. Not open to students with prior credit in PHYS 253H.
Acceptable for Credit: CSU, UC
Lecture 3 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides a thorough understanding of the fundamental principles of physics in the areas of vibrations, waves, sound, optics, special relativity, quantum mechanics, and atomic and nuclear physics. It is intended for engineering, physics, mathematics, and science majors. UC CREDIT LIMITATION: Credit for either series PHYS 111 and PHYS 112 or PHYS 151, PHYS 152, and PHYS 253. C-ID PHYS-215 and PHYS-200S (with PHYS 151 and PHYS 152).

PHYS 280: Introduction to Electronics
Units: 3
Prerequisites: PHYS 151 and (PHYS 152 or EE 100).
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This combined lecture and lab course offers an introduction to the theory and design of electrical circuits. Topics include DC and AC circuit analysis, diodes, transistors, operational amplifiers, and digital circuits.

PHYS 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Political Science

Political science is the study of the processes, principles, and structure of government and political institutions. Students take courses to prepare for a political science major or to fulfill general education requirements.

Graduates with a bachelor's degree in political science pursue careers in education; federal, state, and local government (in areas such as intelligence, foreign affairs, environmental protection); national, state, and local legislation; law; and marketing research.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: John Phillips
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/political-science/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/political-science/)

Department: Social Science
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

John Phillips

Associate Degrees

Associate in Arts Degree

Law, Public Policy, and Society for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for an American Studies degree, an emphasis or option within an American Studies degree, or a degree considered similar, such as Public Administration, at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as an American Studies or Public Administration major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcomes

Upon successful completion of this program, students will be able to do the following:

- Transfer to a California State University baccalaureate program in American studies, public administration, or a related major.

Course Requirements

Required Core (26 units):

Understanding the Law (choose one course; 3 units)		3
ADM 100	Introduction to the Administration of Justice *	
ADM 200	Concepts of Criminal Law *	
BUS 140	Legal Environment of Business	
Ethics (one course; 3 units)		3
PHIL 102	Ethical Problems *	
Oral Communication (choose one course; 3 units)		3
COMM C1000	Introduction to Public Speaking *	
COMM 106	Group Communication	
Written Communication (one course; 4 units)		4
ENGL C1000	Academic Reading and Writing *	
Critical Thinking (choose one course; 3-4 units)		3-4
COMM 212	Argumentation	
ENGL C1001	Critical Thinking and Writing *	
ENGL C1001H	Critical Thinking and Writing (Honors) *	
PHIL 110	Introduction to Logic	
Quantitative Reasoning (choose one course; 3-5 units)		3-5
BTEC 180	Biostatistics *	
BUS 204	Business Statistics *	
PSYC 104	Statistics for Behavioral Science *	
PSYC 104H	Statistics for Behavioral Science (Honors) *	
SOCI 125	Introduction to Statistics in Sociology *	
STAT C1000	Introduction to Statistics *	
STAT C1000E	Introduction to Statistics (Embedded Support) *	
STAT C1000H	Introduction to Statistics (Honors) *	
U.S. History (choose one course; 3 units)		3
HIST C1001	United States History to 1877 *	
HIST C1001H	United States History to 1877 - Honors *	
HIST C1002	United States History since 1865 *	
HIST C1002H	United States History since 1865 - Honors *	
American Government and Politics (one course; 4 units)		4
POLS C1000	American Government and Politics *	
List A: Select two courses from two of the areas listed below (6 units).		6
Courses must not have been used above.		
Area 1: Administration of Justice/Criminal Justice/Criminology		
ADM 270	Crime and Delinquency	
Area 2: Business		
BUS 140	Legal Environment of Business	
Area 3: Economics		
ECON C2001	Principles of Microeconomics *	
ECON C2002	Principles of Macroeconomics *	
Area 4: Political Science		
POLS 101	Introduction to Political Science *	
or POLS 101H	Introduction to Political Science (Honors)	
POLS 103	Comparative Government *	

POLS 150	Introduction to International Relations *	
Area 5: Public Policy		
SOCI 102	Contemporary Social Problems *	
Area 6: Diversity		
ANTH 102	Cultural Anthropology *	
COMM 215	Intercultural Communication *	
ETHN 207	Race and Ethnic Relations *	
or SOCI 207	Race and Ethnic Relations	
GEOG 102	People, Place, and Time: Introduction to Human Geography *	
SOCI 130	Introduction to Gender Studies *	
Area 7: College Success		
COUN 100	College and Career Success	
Total Units		**32-35**

* Course satisfies a general education requirement on the Cal-GETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement.

Associate in Arts Degree

Political Science for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a political science degree or a degree considered similar to political science at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a political science major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcomes

Upon successful completion of this program, students will be able to do the following:

- Explain and assess the American legislative system of checks and balances.

Course Requirements

Required courses:		
Required Core		
POLS C1000	American Government and Politics *	4
List A: Select three courses (9 units)		9
POLS 101	Introduction to Political Science *	
or POLS 101H	Introduction to Political Science (Honors)	
POLS 103	Comparative Government *	
POLS 150	Introduction to International Relations *	
List B: Select one statistics course and one other course (6-8 units)		6-8
Select one statistics course from the following (3-5 units):		
BTEC 180	Biostatistics *	
BUS 204	Business Statistics *	
PSYC 104	Statistics for Behavioral Science *	
PSYC 104H	Statistics for Behavioral Science (Honors) *	
SOCI 125	Introduction to Statistics in Sociology *	
STAT C1000	Introduction to Statistics *	
STAT C1000E	Introduction to Statistics (Embedded Support) *	
STAT C1000H	Introduction to Statistics (Honors) *	
Select one course from the following (3 units):		
ADM 100	Introduction to the Administration of Justice *	
ADM 200	Concepts of Criminal Law *	
ADM 270	Crime and Delinquency	
ANTH 102	Cultural Anthropology *	
BUS 140	Legal Environment of Business	
ECON C2001	Principles of Microeconomics *	
ECON C2002	Principles of Macroeconomics *	
PHIL 102	Ethical Problems *	
Total Units		**19-21**

* Course satisfies a general education requirement on the Cal-GETC 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: The honors version of identified GE courses also satisfy a GE requirement.

Courses

POLS C1000: American Government and Politics
Units: 4
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in PLSC 102.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is an introduction to government and politics in the United States and California. Students examine the constitutions, structure, and operation of governing institutions, civil liberties and civil rights, political behaviors, political issues, and public policy using political science theory and methodology. 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. (Formerly PLSC 102.) C-ID POLS-110.

POLS 101: Introduction to Political Science
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in PLSC 101H, PLSC 101, or POLS 101H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course introduces students to the field of political science and to politics itself. It covers government, the nation-state, and political ideologies that affect modern politics and society. In particular, this course examines the following ideologies from historical, social, and economic perspectives: Conservatism, Liberalism, Anarchism, Democracy, Capitalism, Marxism/Communism, and Fascism. UC CREDIT LIMITATION: Credit for POLS 101 or POLS 101H. C-ID POLS-150. Formerly PLSC 101.

POLS 101H: Introduction to Political Science (Honors)
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in PLSC 101, PLSC 101H, or POLS 101.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This honors course offers students an advanced introduction to the field of political science and to politics itself. It covers government, the nation-state, and political ideologies that affect modern politics and society. In particular, this course examines the following ideologies from historical, social, and economic perspectives: Conservatism, Liberalism, Anarchism, Democracy, Capitalism, Marxism/Communism, and Fascism. As an honors course, it offers expanded analysis of lecture materials, increased dependence upon student participation on a daily basis, and the opportunity for students to conduct research in relevant areas of interest, and thus targets highly motivated students who are looking for a more challenging academic experience. UC CREDIT LIMITATION: Credit for POLS 101 or POLS 101H. C-ID POLS-150. Formerly PLSC 101H.

POLS 103: Comparative Government
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in PLSC 103.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course provides a comparative survey of selected foreign governments, including their political institutions, theories of government, and economic and social development. Countries surveyed include western and non-western democracies and communist nations or dictatorships. C-ID POLS-130. Formerly PLSC 103.

POLS 150: Introduction to International Relations
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in PLSC 150.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to the major explanations for international conflict, cooperation, and other important dynamics of global affairs. It also examines the relationships between selected countries and the resulting political, economic, and social consequences. The course emphasizes the analytical skills and techniques used by practitioners in this field. C-ID POLS-140. Formerly PLSC 150.

POLS 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment. Formerly PLSC 292.

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.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: Steve Eso
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/psychology/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/psychology/)

Department: Psychology
Office: Building OC4800, 760.795.6809

Full-Time Faculty

Danielle Barnett
Steve Eso
Lisa Fast
Robert Kelley
Sarah Kirk

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: Social and Behavioral Sciences degree (p. 269). For further information and assistance, students should consult the ASSIST website (https://www.assist.org/), the individual university catalog, and a MiraCosta College counselor.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
PSYC C1000	Introduction to Psychology	3
or PSYC C1000H	Introduction to Psychology (Honors)	
PSYC 104	Statistics for Behavioral Science	4
or PSYC 104H	Statistics for Behavioral Science (Honors)	
PSYC 205	Research Methods in Psychology	3
List A (select two courses)		6
PSYC 100	Psychology of Personal Growth	
PSYC 103	Social Psychology	
or SOCI 103	Social Psychology	
PSYC 114	Abnormal Psychology	
PSYC 115	Human Sexuality	
PSYC 121	Human Development	
PSYC 145	Psychology/Sociology of the Family	
or SOCI 145	Psychology/Sociology of the Family	
PSYC 170	Psychology of Aging: Adult Development and Aging	
PSYC 211	Learning and Behavior Modification	
PSYC 260	Physiological Psychology	
List B (select one course)		3-4

Any course in List A not already used.

BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab)	
BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	
BIO 220	Human Physiology	
ENGL C1000	Academic Reading and Writing	
ENGL C1001	Critical Thinking and Writing	
ENGL C1001H	Critical Thinking and Writing (Honors)	
GERO 101	Introduction to Aging	
SOCI C1000	Introduction to Sociology	
SOCI C1000H	Introduction to Sociology - Honors	
Total Units		**19-20**

Associate in Arts Degree

Psychology for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a psychology degree, an emphasis or option within a psychology degree, or a degree considered similar to psychology at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a non-participating CSU campus or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a psychology major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

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.

Course Requirements

Required Core: (10 units)		
PSYC C1000	Introduction to Psychology *	3
or PSYC C1000H	Introduction to Psychology (Honors)	
PSYC 104	Statistics for Behavioral Science *	4
or PSYC 104H	Statistics for Behavioral Science (Honors)	
PSYC 205	Research Methods in Psychology	3
List A: 3-4 units. Select one course.		3-4
BIO 110	Introductory Biology: Preparation for Pre-Health Professions (Lecture/Lab) *	
or BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	
PSYC 260	Physiological Psychology *	
List B: 3 units. Select one course.		3
Any List A course not selected above.		
CDEV C1000	Child Growth and Development *	
PSYC 100	Psychology of Personal Growth *	
PSYC 121	Human Development *	
List C: 3 units. Select one course.		3
Any List A or B course not selected above.		
PSYC 103	Social Psychology *	
or SOCI 103	Social Psychology	
PSYC 114	Abnormal Psychology *	
PSYC 115	Human Sexuality *	
PSYC 125	Psychology of Women *	
PSYC 145	Psychology/Sociology of the Family *	
or SOCI 145	Psychology/Sociology of the Family	
PSYC 170	Psychology of Aging: Adult Development and Aging *	
Total Units		**19-20**

* Course satisfies a general education (GE) requirement on the Cal-GETC pattern. (Note: Every course listed with the exception of PSYC 205 satisfies a GE requirement.) To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

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 (p. 269). For further information and assistance, students should consult the ASSIST website

(https://www.assist.org/), the individual university catalog, and a MiraCosta College counselor.

Graduation Requirements

- Complete a minimum of 60 degree-applicable units of credit (including major and general education courses).
- Complete all courses required in the major with a "C" or "P" or better.
- Complete a general education pattern of courses (see Associate Degrees (p. 73)).
- Obtain a minimum grade point average of 2.0.
- Complete a minimum of 12 units in residence at MiraCosta College.

Program Student Learning Outcome

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.

Course Requirements

Required courses:		
ANTH 102	Cultural Anthropology	3
ENGL C1000	Academic Reading and Writing	4
PSYC 121	Human Development	3
Choose the course sequence listed in Psychology or Sociology:		10
Psychology		
PSYC C1000	Introduction to Psychology	
or PSYC C1000H	Introduction to Psychology (Honors)	
PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
PSYC 205	Research Methods in Psychology	
Sociology		
SOCI C1000	Introduction to Sociology	
or SOCI C1000H	Introduction to Sociology - Honors	
SOCI 125	Introduction to Statistics in Sociology	
SOCI 205	Introduction to Research Methods in Sociology	
Total Units		**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

Upon completion of this program, the student will be able to construct a testable hypothesis and examine it using appropriate research methodologies.

Course Requirements

Required courses:		
LIBR 101	Introduction to Library Research	1
PSYC 104	Statistics for Behavioral Science	4
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
Select three units from the following:		3
ADM 100	Introduction to the Administration of Justice	
PSYC C1000	Introduction to Psychology	
or PSYC C1000H	Introduction to Psychology (Honors)	
SOCI C1000	Introduction to Sociology	
or SOCI C1000H	Introduction to Sociology - Honors	
Select three elective units from the following:		3
LIBR 201	Media & Information Literacy	
or LIBR 201H	Media & Information Literacy (Honors)	
PSYC 205	Research Methods in Psychology	
SOCI 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 (https://www.miracosta.edu/student-services/service-learning/) 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

Upon completion of this program, the student will be able to explain the importance of volunteering in the community from a behavioral sciences perspective.

Course Requirements

Required courses:		
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
SOCI 102	Contemporary Social Problems	3
Select at least 5 elective units from the following:		5
CDEV 210	Child, Family, and Community	
PSYC/SOCI 103	Social Psychology	
PSYC/SOCI 145	Psychology/Sociology of the Family	
Total Units		**11**

Courses

PSYC C1000: Introduction to Psychology
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in PSYC 101, PSYC 101H, or PSYC C1000H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. Topics include the biological basis of behavior, perception, cognition, consciousness, learning, memory, emotion, motivation, development, personality, social psychology, and psychological disorders. The course also explores therapeutic approaches and the use of applied psychology in contemporary society. UC CREDIT LIMITATION: Credit for PSYC C1000 or PSYC C1000H. Formerly PSYC 101. C-ID PSY-110.

PSYC C1000H: Introduction to Psychology (Honors)
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in PSYC 101, PSYC 101H, or PSYC C1000.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course is an introduction to psychology, which is the study of the mind and behavior. Students focus on theories and concepts of biological, cognitive, developmental, environmental, social, and cultural influences; their applications; and their research foundations. This is an honors course. Topics include the biological basis of behavior, perception, cognition, consciousness, learning, memory, emotion, motivation, development, personality, social psychology, and psychological disorders. The course also explores therapeutic approaches and the use of applied psychology in contemporary society. As an honors course, it provides an enhanced experience for 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 C1000 or PSYC C1000H. Formerly PSYC 101H. C-ID PSY-110.

PSYC 100: Psychology of Personal Growth
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces the principles of human behavior with a combined emphasis on the scientific method, personal growth, and the application of psychology to everyday life. Topics include adjustment, personality, friendship and intimate relationships, human sexuality, the self, psychological disorders and psychotherapy, and health psychology. The course emphasizes the scientific basis of psychological knowledge and the application of such knowledge to achieve personal growth. UC CREDIT LIMITATION: No credit if taken after PSYC C1000 or PSYC C1000H. C-ID PSY-115.

PSYC 103: Social Psychology
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 103 or SOCI 103.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

Social psychology examines the influence that society, contexts, groups, and others have on individuals. This course emphasizes the sociological and psychological factors in socialization, self-concept, interpersonal relationships, and group dynamics. The course pays special attention to social cognition, attitudes, social influence, language, and cross-cultural differences in social psychology. C-ID PSY-170.

PSYC 104: Statistics for Behavioral Science
Units: 4
Prerequisites: Knowledge, skills, and abilities at the beginning algebra level as determined by the math placement process.
Enrollment Limitation: Not open to students with prior credit in PSYC 104H.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces statistical methods for analyzing data in the behavioral sciences. Topics include basic research design; descriptive statistics, probability and sampling distributions; statistical inference and power; linear correlation and regression; t-test and one-way analysis of variance; chi-square. Students use appropriate technology (e.g., calculators and SPSS) to analyze real-world data and report results using American Psychological Association style. UC CREDIT LIMITATION: Credit for BTEC 180, BUS 204, PSYC 104/PSYC 104H, SOCI 125, or STAT C1000/STAT C1000E/STAT C1000H. Some CSU campuses may also impose this credit limitation. C-ID SOCI-125.

PSYC 104H: Statistics for Behavioral Science (Honors)
Units: 4
Prerequisites: Knowledge, skills, and abilities at the beginning algebra level as determined by the math placement process.
Enrollment Limitation: Not open to students with prior credit in PSYC 104.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Spring even years

This course introduces statistical methods for analyzing data in the behavioral sciences. As an honors course, it offers an enriched experience for students through a pro-seminar format and more in-depth coverage of course topics. Topics include research design; descriptive statistics, probability, and sampling distributions; statistical inference and advanced power analysis; linear correlation and regression; t-test and one-way analysis of variance; chi-square. Students use appropriate technology (e.g., calculators and SPSS) to analyze real-world data and report results using American Psychological Association style. UC CREDIT LIMITATION: Credit for BTEC 180, BUS 204, PSYC 104/PSYC 104H, SOCI 125, or STAT C1000/STAT C1000E/STAT C1000H. Some CSU campuses may also impose this credit limitation. C-ID SOCI-125.

PSYC 114: Abnormal Psychology
Units: 3
Prerequisites: None
Advisory: PSYC 100, PSYC C1000, or PSYC C1000H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces psychological disorders and their diagnosis, causes, and treatments. Topics include anxiety, mood, personality, eating, sexual, gender identity, psychotic, and substance-related disorders. Students examine the causes and treatments of disorders based on scientific research. C-ID PSY-120.

PSYC 115: Human Sexuality
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course examines human sexuality from three perspectives–the biological, the psychological, and the social–and is applicable to students of all majors. The biological topics include sexual anatomy, the sexual response cycle, sexual behaviors, sexual dysfunctions, pregnancy, birth control, and prenatal development. The psychological topics include attraction, communication, intimacy, and love. The social topics include gender, the law, morality, sexual educational, and ethical issues. C-ID PSY-130

PSYC 121: Human Development
Units: 3
Prerequisites: None
Enrollment Limitation: not open to students with prior credit in PSYC 121H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course examines the psychological and physical development of the individual from conception through childhood, adolescence, and maturity. It covers major theories of intellectual, physical, emotional, and social development and explores cultural differences in development. The course emphasizes the interdependence of various periods of the individual's life and considers scientific methods, behavioral disorders, death, and spirituality. UC CREDIT LIMITATION: Credit for CDEV 112, CDEV C1000, or PSYC 121. C-ID PSY-180.

PSYC 125: Psychology of Women
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring odd years

This course examines psychological and feminist theories of women's development across the lifespan. It includes biological and cultural factors that shape and define women's daily experience. Students study the influences of sexism, socialization, sexuality, personal relationships, health, education, employment, aging, and violence against women in relationship to their impact on women's self-concept, attitudes, relationships, achievements, and overall well-being. The course also explores cross-cultural assessment of gender and the current state of women's rights within the world.

PSYC 145: Psychology/Sociology of the Family
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 145 or SOCI 145.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course examines the family as a social institution and applies sociological and psychological theories and concepts to couples, intimate relationships, marriage, and families. These theories and concepts provide frameworks for examining love, sexuality, and commitment and for identifying problems and adjustments for couples and family relationships. The course also studies changing models of the family, historical perspectives, cross-cultural comparisons, and the influences of changes in contemporary society affecting family life. Topics include partner selection, becoming parents, communication, family and work, family crises, divorce, aging, and issues linked to social class and living in a diverse society. C-ID SOCI-130.

PSYC 170: Psychology of Aging: Adult Development and Aging
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring even years

This course explores normal and abnormal characteristics of aging on physical, cognitive, personality, and mental health processes as they occur in late adulthood. Topics include marriage, family and friends, intergenerational issues, and intimacy and sexuality. It probes late-adult transitions, such as retirement and widowhood, and end-of-life issues.

PSYC 205: Research Methods in Psychology
Units: 3
Prerequisites: PSYC C1000 or PSYC C1000H; and PSYC 104 or PSYC 104H; and ENGL C1000.
Enrollment Limitation: Concurrent enrollment in PSYC 104 or PSYC 104H for students with MATH 103 or STAT C1000 credit.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course emphasizes an appreciation of the scientific method, the development of research skills, knowledge of research ethics, and the evaluation of scientific research. It focuses on research design, experimental procedures, descriptive methods, instrumentation, and the collection, analysis, interpretation, and reporting of research data. Students conduct library research, design and implement research projects using appropriate methodologies and controls, analyze and interpret data using the SPSS statistical computer program, and write research reports using the APA format. In laboratory sessions, students conduct experimental and non-experimental research in a variety of areas of psychology. Students with STAT C1000 may take PSYC 104 or PSYC 104H concurrently with Research Methods. C-ID PSY-200.

PSYC 211: Learning and Behavior Modification
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course surveys the principles of learning and the research applications of behavior modification. Topics include the historical origins of learning theory; classical and operant conditioning; cognitive aspects of complex learning tasks; and biological factors in learning. The course also covers the principles of behavior modification, including reinforcement and punishment, schedules of reinforcement, and applications of behavior modification in an educational environment.

PSYC 260: Physiological Psychology
Units: 3
Prerequisites: PSYC C1000 or PSYC C1000H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces the biological basis of behavior. Students gain an appreciation of how the human brain creates a perception of the physical world, develop the ability to critically evaluate research in biological psychology, and understand the biological mechanisms that underlie psychological phenomena. Topics include research in biological psychology, anatomy of the nervous system, development of the nervous system, neurons and action potential, communication at the synapse, effects of psychoactive drugs, sensory systems, motivation and emotion, sleep/wake cycles, learning and memory, lateralization and language, and the biological basis of psychopathology. C-ID PSY-150.

PSYC 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

PSYC 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Reading

Reading courses are designed to build and enhance college-level skills in reading and critical thinking.

Contact Information

Chair: Jade Hidle
Dean: Lauren Halsted
https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/reading/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/reading/)

Department: Letters
Office: San Elijo, Building SAN1100, 760.795.6841

Full-Time Faculty

Kelly Hagen
Luke Lambert

Courses

READ 100: Critical Reading and Thinking
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course is designed to improve students' skills and techniques in critical reading, critical thinking, analysis, and logical reasoning in academic texts. Topics include advanced critical reading, logical reasoning and thinking, argument validation, analysis of extended argument, examination of valid and invalid inferences, and problem solving skills.

READ 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Religious Studies

The Religious Studies discipline focuses on the analysis and comparison of religious traditions using methods from a variety of disciplines. Students take religious studies courses to prepare for the major or to fulfill general education requirements in humanities or ethnic studies.

With a bachelor's degree in religious studies, students pursue careers in law, business, public and political service, and education. A religious studies major also prepares students for graduate studies in the discipline and for professional seminary and divinity school.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: Jeffrey Murico
Dean: Lauren Halsted
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/religious-studies/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/religious-studies/)

Department: Philosophy and Religious Studies
Office: San Elijo, Building SAN1100, 760.795.6841

Full-Time Faculty

Jeffrey Murico

Courses

RELG 101: World Religions
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in RELG 101H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the religious studies discipline. It provides an overview of the history, beliefs, and practices of a diversity of ethnic and religious groups from both Eastern and Western hemispheres, including Indigenous traditions of North America, Zoroastrianism, Judaism, Christianity, Islam, Hinduism, Buddhism, and Sikhism. It explores the differences and similarities of the central tenets in the world's major religions and analyzes the close relationship among religion, society, and culture/ethnic groups. It evaluates multidisciplinary methodological approaches to the study of religion and religions. UC CREDIT LIMITATION: Credit for RELG 101 or RELG 101H.

RELG 101H: World Religions (Honors)
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in RELG 101.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall odd years

This honors course encourages students to engage the discipline of religious studies through the lens of world religions. It asks students to critically investigate the ethnic, historical, theological, and ritualistic aspects of various contemporary religious traditions, including Indigenous traditions of North America, Zoroastrianism, Judaism, Christianity, Islam, Hinduism, Buddhism, and Sikhism. Additionally, students evaluate a variety of multidisciplinary methodological approaches to the study of religion and religions in order to evaluate the intersectional relationship among religion, ethnicity, society, and culture. UC CREDIT LIMITATION: Credit for RELG 101 or RELG 101H.

RELG 103: Religion in America
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on the interaction between religion(s), culture, ethnicity, and society in the United States, beginning with the pre-Columbian ethnically indigenous traditions of North America and ending with an overview of the diversity of the contemporary American religious landscape. Students explore broad social movements, particular historical developments, theological responses, and the ongoing relationship between religion and politics in the US. Topics include uniquely American religions (e.g., Mormonism, Jehovah's Witness, Scientology), American religious movements (e.g., Great Awakening, Social Gospel Movement, Religious Right), and shifting religious tensions due to various social and political events.

RELG 105: Eastern Religions
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course provides an interdisciplinary overview of East and South Asian religions, including Hinduism, Buddhism, Taoism, Confucianism, Shinto, and Sikhism. It emphasizes the different religions' philosophical foundations and their practical application in Asian societies.

RELG 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

Social Work and Human Services

Social work and human services is an applied behavioral science that emphasizes the application of behavioral science principles in a variety of cultural contexts. Students take courses in social work and human services to acquire the basic skill set required for entry-level social worker positions and to prepare for transfer to complete a baccalaureate degree in social work and human services or a similar major.

As a profession, social work and human services focuses on methods for helping people from many different social groups improve the quality of their lives.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: Bruce Hoskins
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/social-work-and-human-services/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/social-work-and-human-services/)

Department: Sociology
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Sean Davis

Associate Degree

Associate in Arts Degree

Social Work and Human Services for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a social work and human services degree, an emphasis or option within a social work and human services degree, or a degree considered similar to social work and human services at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a social work and human services major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcomes

Upon completion of this program, students are all of the following:

- Prepared for entry-level positions in the field of social work.
- Able to analyze the skills and knowledge necessary for a career in social work.
- Able to identify and implement industry-recognized effective practices for human service delivery in culturally relevant and culturally sustaining ways.

Course Requirements

Required courses:		
SWHS 110	Introduction to Social Work and Human Services	3
SWHS 120A	Social Work and Human Services Seminar	1
SWHS 120B	Social Work and Human Services Fieldwork	2
BIO 103	Introductory Biology: Animal Diversity *	3
or BIO 111	Introductory Biology: Preparation for Pre-Health Professions (Lecture)	
ECON C2001	Principles of Microeconomics *	3
or ECON C2002	Principles of Macroeconomics	
PSYC C1000	Introduction to Psychology *	3
or PSYC C1000H	Introduction to Psychology (Honors)	
BTEC 180	Biostatistics *	3-5
or BUS 204	Business Statistics	
or PSYC 104	Statistics for Behavioral Science	
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
or STAT C1000	Introduction to Statistics	
or STAT C1000E	Introduction to Statistics (Embedded Support)	
or STAT C1000H	Introduction to Statistics (Honors)	
SOCI C1000	Introduction to Sociology *	3
or SOCI C1000H	Introduction to Sociology - Honors	
List A: Select two courses.		6
ADM 100	Introduction to the Administration of Justice *	
ANTH 102	Cultural Anthropology *	
CDEV C1000	Child Growth and Development *	
CDEV 210	Child, Family, and Community *	
COMM 215	Intercultural Communication *	
PSYC 121	Human Development *	
SOCI 102	Contemporary Social Problems *	
SOCI 207	Race and Ethnic Relations *	
or ETHN 207	Race and Ethnic Relations	
Total Units		**27-29**

* Course satisfies a general education requirement on the Cal-GETC general education (GE) pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a GE requirement. Note: Every course on this degree except SWHS 110, SWHS 120A, and SWHS 120B satisfies a GE requirement.

NOTE: Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Courses

SWHS 110: Introduction to Social Work and Human Services
Units: 3
Prerequisites: None
Acceptable for Credit: CSU
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces the profession of social work and the field of social welfare through historical and contemporary lenses. It includes an overview of U.S. societal institutions that structure the provision of social services. The course emphasizes current service delivery systems, social welfare policies and procedures, contemporary social problems, and culturally responsive professional skills of social workers and human service workers within social welfare institutions and programs. C-ID SWHS-110.

SWHS 120A: Social Work and Human Services Seminar
Units: 1
Prerequisites: SWHS 110
Corequisite: SWHS 120B
Enrollment Limitation: Concurrent enrollment in SWHS 110 if prerequisite not met and not open to students with prior credit in SWHS 120.
Acceptable for Credit: CSU
Lecture 1 hour.
Course Typically Offered: Spring

This course provides students who are participating in a supervised field experience in a community organization, agency, or institution with a weekly class meeting that provides the academic element to the experiential course offering. The course emphasizes the application of concepts gained in the prerequisite or corequisite course to the field experience. It is designed to provide students with an opportunity to develop skills that would facilitate gaining employment in the human services field. C-ID SWHS-120A.

SWHS 120B: Social Work and Human Services Fieldwork
Units: 2
Prerequisites: SWHS 110
Corequisite: SWHS 120A
Enrollment Limitation: Concurrent enrollment in SWHS 110 if prerequisite not met and not open to students with prior credit in SWHS 120.
Acceptable for Credit: CSU
Laboratory 6 hours.
Course Typically Offered: Spring

This course offers students a supervised field experience in a community organization, agency, or institution, allowing them to apply knowledge and learn new skills outside of the classroom environment. The course is designed to provide students with an opportunity to observe, practice, and develop skills that would facilitate gaining employment in the human services field.

Sociology

Sociology is the study of human social behavior, groups, and how environments influence behavior. Sociologists focus on the origins, organization, institutions, and developments of society. Students take courses to prepare for a sociology major or to fulfill general education requirements. Career options include social work, human services, law enforcement, legal professions, business, and teaching.

Academic and Career Pathway

Social and Behavioral Sciences (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/)

Contact Information

Chair: Bruce Hoskins
Dean: Michael Fino
https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/sociology/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/social-and-behavioral-sciences/sociology/)

Department: Sociology
Office: Building OC4800, 760.757.2121 x6924

Full-Time Faculty

Michael Arce
Sean Davis
Thao Ha
Bruce Hoskins

Associate Degree

Associate in Arts Degree

Sociology for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a sociology degree, an emphasis or option within a sociology degree, or a degree considered similar to sociology at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a sociology major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcomes

Upon completion of this program, the student will be able to do the following:

- Explain how an individual's life chances are impacted by various social forces.

Course Requirements

Required Core: Complete 10 units		
SOCI 102	Contemporary Social Problems	3
SOCI 125	Introduction to Statistics in Sociology *,**	4
SOCI C1000	Introduction to Sociology *, **	3
or SOCI C1000H	Introduction to Sociology - Honors	
List A: 6 units. Select two courses.		6
SOCI 103	Social Psychology *	
or PSYC 103	Social Psychology	
SOCI 130	Introduction to Gender Studies *	
SOCI 145	Psychology/Sociology of the Family *	
or PSYC 145	Psychology/Sociology of the Family	
SOCI 205	Introduction to Research Methods in Sociology	
SOCI 207	Race and Ethnic Relations *	
or ETHN 207	Race and Ethnic Relations	
List B: 3 units. Select one course.		3
Any course from List A not already used.		
BLST 100	Introduction to Black Studies *	
CCS 100	Introduction to Chicana/o Studies *	
CCS 232	Critical Issues in Chicana and Latina Studies *	
SOCI 105	Introduction to Justice Studies *	
SOCI 120	Introduction to Women's Studies *	
SOCI 140	Introduction to LGBT Studies *	
SOCI 250	Introduction to Pacific Studies *	
Total Units		**19**

* Course satisfies a general education requirement on the Cal-GETC pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement. Note: All of the statistics and honors courses listed are also GE courses.

** Course is required major preparation at CSU San Marcos (CSUSM). Students planning to transfer to CSUSM are advised to select these courses to complete this degree. For more information on this major at CSUSM, please refer to the articulation agreement at assist.org (https://assist.org/).

Note:

Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Social Justice Studies for Transfer: African American Studies

Students completing this associate degree will have completed lower-division major preparation requirements for an African American Studies degree, an emphasis or option within a social justice/African American Studies degree, or a degree considered similar to African American Studies at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta College counselor for further information regarding the most efficient pathway to transfer as an African American Studies major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to assess the impact of historical and cultural African American experiences in the United States and examine how those influences shape the contemporary African American experience.

Course Requirements

Required courses:		
SOCI 207	Race and Ethnic Relations	3
or ETHN 207	Race and Ethnic Relations	
SOCI 120	Introduction to Women's Studies	3
or SOCI 130	Introduction to Gender Studies	
or SOCI 140	Introduction to LGBT Studies	
SOCI 105	Introduction to Justice Studies	3
List A: Choose three courses (only one course from Area 4 may be used).		9-10
BLST 100	Introduction to Black Studies	
or HIST 145	African American History to 1877	
or HIST 146	African American History Since 1877	
DRAM 222	Introduction to Black Theater	
LIT 122	Introduction to African American Literature	
SOCI 125	Introduction to Statistics in Sociology	
Total Units		**18-19**

Notes:

- All courses listed satisfy a general education requirement on the Cal-GETC pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement.
- Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Social Justice Studies for Transfer: Chicano Studies

Students completing this associate degree will have completed lower-division major preparation requirements for a Chicano/a studies degree, an emphasis or option within a social justice/Chicano/a studies degree, or a degree considered similar to Chicano/a studies at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a Chicano Studies studies major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcome

Upon successful completion of this program, students will be able to assess the impact of historical and cultural Chicano/x and Latinx experiences in the United States and examine how those influences shape the contemporary Chicano/x and Latinx experience.

Course Requirements

Required courses:		
CCS 232	Critical Issues in Chicana and Latina Studies	3
SOCI 120	Introduction to Women's Studies	3
or SOCI 130	Introduction to Gender Studies	
ETHN 207	Race and Ethnic Relations	3
or SOCI 207	Race and Ethnic Relations	
List A: Select 3 courses.		10-11
HIST 141	Mexican American History Through 1877	
or HIST 142	Mexican American History Since 1877	
or CCS 100	Introduction to Chicana/o Studies	
LIT 100	Introduction to Chicano Chicana Literature	
SOCI 125	Introduction to Statistics in Sociology	
or STAT C1000	Introduction to Statistics	
or STAT C1000E	Introduction to Statistics (Embedded Support)	
or STAT C1000H	Introduction to Statistics (Honors)	
Total Hours		**19-20**

Notes:

- All courses listed satisfy a general education requirement on the Cal-GETC pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement.
- Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Social Justice Studies for Transfer: Gender Studies

Students completing this associate degree will have completed lower-division major preparation requirements for a gender studies degree, an emphasis or option within a social justice/gender studies degree, or a degree considered similar to gender studies at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a social justice/gender studies major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcomes

Upon successful completion of this program, students will be able to do the following:

- Articulate gender dynamics in face-to-face interaction, group settings, and large-scale social institutions.

Course Requirements

Required courses:		
SOCI 130	Introduction to Gender Studies	3
SOCI 140	Introduction to LGBT Studies	3

SOCI 207	Race and Ethnic Relations	3
List A:		
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
SOCI 105	Introduction to Justice Studies	3
PSYC 104	Statistics for Behavioral Science	4
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
Total Units		**19**

Notes:

- All courses listed satisfy a general education requirement on the Cal-GETC pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement.
- Students are strongly advised to select courses that meet lower-division major preparation requirements at their transfer university and to complete the History, Constitution, and American Ideals requirement prior to transfer.

Associate in Arts Degree

Social Justice Studies for Transfer: LGBTQ Studies

Students completing this associate degree will have completed lower-division major preparation requirements for a LGBTQ studies degree, an emphasis or option within a social justice/LGBTQ studies degree, or a degree considered similar to LGBTQ studies at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a social justice/LGBTQ studies major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.
- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Student Learning Outcomes

Upon successful completion of this program, students will be able to do the following:

- Articulate gender dynamics in face-to-face interaction, group settings, and large-scale social institutions.
- Articulate both the historical and contemporary issues pertaining to the social status of LGBTQIA+ identified people.

Course Requirements

Required courses:		
SOCI 130	Introduction to Gender Studies	3
SOCI 140	Introduction to LGBT Studies	3
SOCI 207	Race and Ethnic Relations	3
or ETHN 207	Race and Ethnic Relations	
List A:		
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
SOCI 105	Introduction to Justice Studies	3
PSYC 104	Statistics for Behavioral Science	4
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
Total Units		**19**

Notes:

- All courses listed satisfy a general education requirement on the Cal-GETC pattern. To ensure this degree is completed with no more than 60 units, students should select courses that will also satisfy a general education requirement.
- Students 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

Upon completion of this program, the student will be able to construct a testable hypothesis and examine it using appropriate research methodologies.

Course Requirements

Required courses:		
PSYC 104	Statistics for Behavioral Science	4
or PSYC 104H	Statistics for Behavioral Science (Honors)	
or SOCI 125	Introduction to Statistics in Sociology	
LIBR 101	Introduction to Library Research	1
Select at least three elective units from the following:		3
PSYC C1000	Introduction to Psychology	
or PSYC C1000H	Introduction to Psychology (Honors)	
SOCI C1000	Introduction to Sociology	
or SOCI C1000H	Introduction to Sociology - Honors	
ADM 100	Introduction to the Administration of Justice	
Select one course from the following electives:		3
PSYC 205	Research Methods in Psychology	

SOCI 205	Introduction to Research Methods in Sociology	
LIBR 201	Media & Information Literacy	
or LIBR 201H	Media & Information Literacy (Honors)	
Total Units		**11**

Certificate of Proficiency

Volunteer Services

This certificate offers students core courses in behavioral science combined with at least one behavioral science course that offers service learning. The academic courses provide a fundamental understanding of human behavior. A course that includes service learning requires volunteering in the community combined with written reflection on the volunteer experience. This certificate emphasizes working directly with people in need within the service-learning tradition, and it integrates academics with practice.

This certificate can enrich the service of experienced volunteers, guide those interested in volunteering for the first time and transfer students interested in teaching and social service agency work, and provide early experience in public service.

Students need to contact the Service Learning Office (https://www.miracosta.edu/student-services/service-learning/) 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

Upon completion of this program, the student will be able to explain the importance of volunteering in the community from a behavioral sciences perspective.

Course Requirements

Required courses:		
SOCI C1000	Introduction to Sociology	3
or SOCI C1000H	Introduction to Sociology - Honors	
SOCI 102	Contemporary Social Problems	3
Select at least 5 elective units from the following:		5
CDEV 210	Child, Family, and Community	
PSYC/SOCI 103	Social Psychology	
PSYC/SOCI 145	Psychology/Sociology of the Family	
Total Units		**11**

Courses

SOCI C1000: Introduction to Sociology
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 101, SOC 101H, or SOCI C1000H.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to Sociology: the study of people, groups, and institutions that shape peoples lives. Through a mix of theory, research, and real-world examples, students explore key sociological concepts like culture, inequality, power, collective action, and social change. With content reflecting diverse histories and lived experiences, students make connections between their lives and the social forces that influence individual opportunities and choices. Students in this course will develop a critical lens that allows them to better understand and transform themselves and society. UC CREDIT LIMITATION: Credit for SOC 101, SOC 101H, or SOCI C1000H. Formerly SOC 101. C-ID SOCI-110.

SOCI C1000H: Introduction to Sociology - Honors
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 101, SOC 101H, or SOCI C1000.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring even years

This course introduces students to Sociology: the study of people, groups, and institutions that shape peoples lives. Through a mix of theory, research, and real-world examples, students explore key sociological concepts like culture, inequality, power, collective action, and social change. With content reflecting diverse histories and lived experiences, students make connections between their lives and the social forces that influence individual opportunities and choices. Students in this course will develop a critical lens that allows them to better understand and transform themselves and society. This is an honors course. UC CREDIT LIMITATION: Credit for SOC 101, SOC 101H, or SOCI C1000. Formerly SOC 101. C-ID SOCI-110.

SOCI 102: Contemporary Social Problems
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 102.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course analyzes social problems in a diverse society. It emphasizes economic, racial, and gender inequality, crime, poverty, the family, education, health care, and other issues pertaining to society's major social issues. Students evaluate the causes, consequences, and solutions to the problems of our society. Formerly SOC 102. C-ID SOCI-115.

SOCI 103: Social Psychology
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in PSYC 103, SOC 103, or SOCI 103.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

Social psychology examines the influence that society, contexts, groups, and others have on individuals. This course emphasizes the sociological and psychological factors in socialization, self-concept, interpersonal relationships, and group dynamics. The course pays special attention to social cognition, attitudes, social influence, language, and cross-cultural differences in social psychology. Formerly SOC 103. C-ID PSY-170.

SOCI 105: Introduction to Justice Studies
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 105.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces the interdisciplinary field of justice studies as a lens to examine social justice movements. Critical race theories and social conflict theories are examined to provide a basis for a better understanding of the socio-economic, cultural and political conditions that create and maintain inequalities which affect marginalized, disadvantaged, and oppressed social groups in the United States. It explores these social, economic, political, and criminal justice issues by means of sociological, philosophical, and legal perspectives and methodologies. Students critically assess the obstacles and opportunities central to the pursuit of justice in the United States and abroad. UC CREDIT LIMITATION: Credit for ADM 100 or SOCI 105. Formerly SOC 105. C-ID SOCI-160.

SOCI 120: Introduction to Women's Studies
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 120.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall

This course introduces students to women's studies through sociological theories, concepts, and sociological research. The course examines the status and roles of women in social institutions, social organizations, and social classes. It compares and contrasts similarities and differences in women's experiences based on race and ethnic groups, different cultures, and subcultures - with particular considerations of culturally specific notions of femininities. It is guided by sociology's emphases on cultural relativism, diversity, and the effects of inequality. Topics include institutional discrimination, gender socialization, sexuality, varied cultural influences, feminism, and regional, national, and global perspectives on women's rights. Formerly SOC 120. C-ID SJS-120.

SOCI 125: Introduction to Statistics in Sociology
Units: 4
Prerequisites: Knowledge, skills, and abilities at the intermediate algebra level as determined by the math placement process.
Enrollment Limitation: Not open to students with prior credit in SOC 125.
Acceptable for Credit: CSU, UC
Lecture 4 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers the application of statistical methods to interpret, analyze, and describe quantitative sociological data. Topics include descriptive and inferential statistics; probability topics, populations and samples, the normal distribution, the central limit theorem; confidence intervals; hypothesis testing; comparing two means; F distribution and ANOVA; correlation and linear regression; and chi-square. Students use statistical software (SPSS) to analyze data and report results using American Sociological Association (ASA) style. UC CREDIT LIMITATION: Credit for BTEC 180/BTEC 180H, BUS 204/BUS 204H, STAT C1000/STAT C1000H/STAT C1000E, PSYC 104/PSYC 104H, or SOCI 125. Some CSU campuses may also impose this credit limitation. Formerly SOC 125. C-ID SOCI-125.

SOCI 130: Introduction to Gender Studies
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 130.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course examines gender construction and gender inequities in contemporary society using both a foundation of relevant theories and concepts from sociology and an interdisciplinary lens, including historical, anthropological, economic, political, queer, feminist, and cultural studies perspectives. The course also addresses the development of contemporary gender topics, applications of theory, and discussions related to men's studies, queer studies, and the LGBTQIA community. Formerly SOC 130. C-ID SOCI-140.

SOCI 140: Introduction to LGBT Studies
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 140.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: 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. Formerly SOC 140. C-ID SJS-130.

SOCI 145: Psychology/Sociology of the Family
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in PSYC 145 or SOC 145.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course examines the family as a social institution and applies sociological and psychological theories and concepts to couples, intimate relationships, marriage, and families. These theories and concepts provide frameworks for examining love, sexuality, and commitment and for identifying problems and adjustments for couples and family relationships. The course also studies changing models of the family, historical perspectives, cross-cultural comparisons, and the influences of changes in contemporary society affecting family life. Topics include partner selection, becoming parents, communication, family and work, family crises, divorce, aging, and issues linked to social class and living in a diverse society. Formerly SOC 145. C-ID SOCI-130.

SOCI 205: Introduction to Research Methods in Sociology
Units: 3
Prerequisites: SOCI C1000 or SOCI C1000H; PSYC 104, PSYC 104H, or SOCI 125; ENGL C1000.
Enrollment Limitation: Concurrent enrollment in SOCI 125 for students with MATH 103 or STAT C1000/C1000H/C1000E credit; not open to students w/ prior SOC 205 credit.
Acceptable for Credit: CSU, UC
Lecture 2 hours, laboratory 3 hours.
Course Typically Offered: Spring

This course introduces the fundamental methods of research and how sociologists use them to examine, investigate, and think critically on topics related to the discipline. It emphasizes an appreciation of the scientific method, the development of research skills, knowledge of research ethics, and the evaluation of scientific research. Students conduct library research, design and implement research projects using appropriate methodologies and controls, analyze and interpret data using a statistical computer program, and write research reports using APA format. Students with MATH 103, STAT C1000, or PSYC 104 may take SOCI 125 concurrently with this course. Formerly SOC 205. C-ID SOCI-120.

SOCI 207: Race and Ethnic Relations
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in ETHN 207 or SOC 207.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, 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 introduces significant theories, issues, and social movements related to racial/ethnic justice, to understand the effects of institutional racism and marginalization on the African American, Native American, Asian American, Pacific Islander, and Latinx/Chicanx racial and ethnic groups. The course also examines 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. Formerly SOC 207. C-ID SOCI-150, SJS-110.

SOCI 250: Introduction to Pacific Studies
Units: 3
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SOC 250.
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Spring

This course introduces students to the geography, histories, cultures, and societies of the Pacific Islands (Polynesia, Melanesia, Micronesia, and Australia). Topics include traditional and contemporary religious practices, languages, arts, and athletics in the Pacific. The course emphasizes Pacific Islander perspectives and experiences as it examines the effects of colonization, resistance and rights movements, and current challenges to the health and well-being of Pacific Island communities. Formerly SOC 250.

SOCI 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment. Formerly SOC 292.

SOCI 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment. Formerly SOC 299.

Spanish

The International Languages Department offers Spanish courses that build strong communication skills, cultural understanding, and real-world language use. Spanish study enhances speaking, listening, reading, and writing abilities while fostering intercultural awareness. It also strengthens applications to competitive programs in fields where multilingual communication is vital, such as healthcare, education, social services, international relations, and law enforcement. A degree or Certificate of Achievement in Spanish supports careers in education, healthcare, international business, diplomacy, media, community outreach, and translation and interpretation.

Spanish courses fulfill general education humanities requirements under the Cal-GETC transfer pathway and support UC-bound students, where proficiency in a Language Other Than English (LOTE) is a graduation requirement. There are UC and CSU majors that also require additional language study. Students can often meet these requirements at the community college level, saving time, tuition, and units. All Spanish courses at MiraCosta are Zero Textbook Cost (ZTC).

Note: Students educated in a non-English speaking country through high school or equivalent will generally not earn lower-division transfer credit in their language at most universities. Students who might be affected by this rule should consult a counselor and/or the International Languages department chair before enrolling in their language courses.

Academic and Career Pathway

Languages, Communication, and Humanities (http://www.miracosta.edu/instruction/acp/lang.html)

Contact Information

Chair: Lilia Vidal
Dean: Jonathan Fohrman
https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/spanish/index.html (https://www.miracosta.edu/academics/degree-and-certificate-programs/languages-communication-and-humanities/international-languages/spanish/)

Department: International Languages
Office: Building OC2700, 760.795.6844

Full-Time Faculty

Pilar Hernández
Lilia Vidal
Rosa E. Viramontes

Associate Degrees

Associate in Arts Degree

Spanish for Transfer

Students completing this associate degree will have completed lower-division major preparation requirements for a Spanish major at a participating California State University (CSU) campus.

Following transfer to a participating CSU campus, students will be required to complete no more than 60 units to obtain a bachelor's degree; however, some CSU campuses accepting this degree may require additional lower-division major preparation. This degree may not be appropriate preparation for students transferring to a CSU campus not accepting this degree or to a university or college that is not part of the CSU system. Students should consult with a MiraCosta counselor for further information regarding the most efficient pathway to transfer as a Spanish major and to determine which CSU campuses are participating in this program.

Graduation Requirements

- Complete a minimum of 60 CSU-transferable semester units.
- Complete all courses in the major with a "C" or "P" or better.
- Complete the Cal-GETC (p. 79) general education pattern.

- Obtain a minimum CSU-transferable grade point average of 2.0.
- Complete a minimum of 12 semester units in residence at MiraCosta College.

Program Learning Outcome

Upon completion of this program, the student will be able to effectively communicate in the Spanish language, demonstrating an understanding of cultural differences as related to personal and cultural topics as well as social issues.

Course Requirements

Required courses:		
SPAN 101	Elementary Spanish (First Semester) *	4
SPAN 102	Elementary Spanish (Second Semester)	4
SPAN 201	Intermediate Spanish (Third Semester) **	4
or SPAN 221	Spanish for Native Speakers	
SPAN 202	Intermediate Spanish (Fourth Semester) **	4
or SPAN 222	Spanish for Native Speakers II	
List A: 3-4 units. Select one course.		3-4
Students placing out of SPAN 101, SPAN 102, SPAN 201, or SPAN 202 by departmental approval, prerequisite satisfaction, or Advanced Placement scores, shall use additional courses from List A to earn a total of at least 18 semester units in the major (Title 5, section 55063).		
ANTH 102	Cultural Anthropology **	
CCS 100	Introduction to Chicana/o Studies **	
COMM 215	Intercultural Communication **	
ETHN 207	Race and Ethnic Relations **	
FREN 101	Elementary French (First Semester)	
FREN 102	Elementary French (Second Semester)	
GEOG 102	People, Place, and Time: Introduction to Human Geography **	
HIST 141	Mexican American History Through 1877 **	
HIST 142	Mexican American History Since 1877 **	
ITAL 101	Elementary Italian (First Semester)	
ITAL 102	Elementary Italian (Second Semester)	
SOCI 207	Race and Ethnic Relations **	
Total Units		**19-20**

* Students who have completed two years of high school Spanish or who demonstrate proficiency do not need to enroll in SPAN 101 and can start with SPAN 102. Units awarded for AP exams will be based on the minimum semester admission units for all California State University (CSU) campuses as determined by the CSU and referenced in the AP chart in the MiraCosta catalog.

** Course satisfies a general education requirement on the Cal-GETC 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.

Certificate

Certificate of Achievement

Spanish

This certificate provides students with a solid introduction to Spanish language communicative skills and culture. Completion of the certificate benefits students who are interested in learning about and effectively interacting with Hispanic culture and society. Students take the required language courses in the given sequence.

Program Student Learning Outcomes

Upon successful completion of this program, students will be able to do the following:

- Communicate in the Spanish language at the intermediate-mid to intermediate-high level of ACTFL (American Council on the Teaching of Foreign Languages).
- Demonstrate awareness and appreciation of cultural differences within Spanish speaking communities.

Course Requirements

Foundational Courses		
SPAN 101	Elementary Spanish (First Semester) *	4
SPAN 102	Elementary Spanish (Second Semester) *	4
SPAN 201	Intermediate Spanish (Third Semester) *	4
or SPAN 221	Spanish for Native Speakers	
SPAN 202	Intermediate Spanish (Fourth Semester)	4
or SPAN 222	Spanish for Native Speakers II	
List A:		
Students who place out of SPAN 101, SPAN 102, or SPAN 201 by prerequisite satisfaction or Advanced Placement scores must use additional courses from this list to earn a minimum of 16 semester units in the certificate.		
HIST 141	Mexican American History Through 1877	
HIST 142	Mexican American History Since 1877	
HIST 150	History of Mexico	
SPAN 121	Introduction to Hispanic Cultures	
Total Units		**16**

* Units for these courses may be earned through Credit by Exam.

Courses

SPAN 101: Elementary Spanish (First Semester)
Units: 4
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SPAN 102, SPAN 201, SPAN 202, SPAN 221, or SPAN 222.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This introductory course develops Spanish language acquisition through listening, speaking, reading, and writing. It covers basic Spanish pronunciation, vocabulary, and grammar. It also explores the history, geography, and customs of the Spanish-speaking world. This course corresponds to the first two years of high school Spanish. C-ID SPAN-100.

SPAN 102: Elementary Spanish (Second Semester)
Units: 4
Prerequisites: SPAN 101 or two years of high school Spanish with a "C" or better.
Enrollment Limitation: Not open to students with prior credit in SPAN 201, SPAN 202, SPAN 221, or SPAN 222.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course continues to develop Spanish language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in SPAN 101, and it develops the students ability to engage in casual conversation, express opinions, and make suggestions in Spanish. The course also provides for increased awareness of the Spanish-speaking worlds history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the third year of high school Spanish. C-ID SPAN-110.

SPAN 121: Introduction to Hispanic Cultures
Units: 3
Prerequisites: None
Acceptable for Credit: CSU, UC
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course explores the diverse cultures of Spain and Spanish America through film, music, art, literature, and traditions. Students will examine how cultural and artistic expressions evolve through historical exchanges, migrations, and creative contributions, including those of Indigenous, African, and other global cultures. The course considers how cultural traditions and artistic expressions adapt, transform, and persist through cross-cultural interactions, colonial legacies, and cultural and social movements. Emphasis is placed on understanding and appreciating cultural diversity over time. No prior study of the Spanish language or Hispanic culture is required. Taught in English.

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, SPAN 221 or SPAN 222.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course continues to develop Spanish language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in SPAN 101 and SPAN 102, and it develops the student's ability to engage in casual conversation, express opinions, and make suggestions in Spanish. The course also provides for increased awareness of the Spanish-speaking world's history, geography, and customs, including its socio-political practices and cultural artifacts. This course corresponds to the fourth year of high school Spanish. UC CREDIT LIMITATION: SPAN 201 and SPAN 221 combined maximum credit, 1 course. C-ID SPAN-200.

SPAN 202: Intermediate Spanish (Fourth Semester)
Units: 4
Prerequisites: SPAN 201 or four years of high school Spanish with a "C" or better.
Enrollment Limitation: Not open to students with prior credit in SPAN 222.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring

This course continues to develop Spanish language acquisition through listening, speaking, reading, and writing. It reviews and expands upon the vocabulary and grammatical structures introduced in SPAN 201. It also develops the student's ability to express opinions and make recommendations in Spanish-language debates and discussions. The course focuses on increasing awareness of the Spanish-speaking world's history, geography, and customs, including its socio-political practices and cultural artifacts, through extensive reading and writing assignments as well as oral presentations. C-ID SPAN-210.

SPAN 221: Spanish for Native Speakers
Units: 4
Prerequisites: None
Enrollment Limitation: Not open to students with prior credit in SPAN 201, SPAN 202 or SPAN 222.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This intensive course prepares native Spanish speakers with little or no formal training in Spanish for more advanced courses. It addresses listening comprehension, speaking, reading, and writing while emphasizing the improvement of reading and writing skills. Students also learn about regional variations in standard Spanish, Spanglish and code-switching, and the relationship between language and cultural identity. UC CREDIT LIMITATION: SPAN 201 and SPAN 221 combined maximum credit, 1 course. C-ID SPAN-220.

SPAN 222: Spanish for Native Speakers II
Units: 4
Prerequisites: SPAN 221
Enrollment Limitation: Not open to students with prior credit in SPAN 202.
Acceptable for Credit: CSU, UC
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Spring

This continuation of SPAN 221 prepares native Spanish speakers with little or no formal training in Spanish for more advanced courses. It develops the student's ability to express opinions and make recommendations in Spanish-language debates and discussions. It addresses listening comprehension, speaking, reading, and writing while emphasizing the improvement of reading and writing skills. Students also learn about regional variations in standard Spanish, Spanglish and code-switching, and the relationship between language and cultural identity. C-ID SPAN-230.

SPAN 292: Internship Studies
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Instructor, dept chair, and Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
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 work/intern at a new site upon each enrollment.

SPAN 299: Occupational Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Career Center approval. Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Work Experience Education

Work experience education combines work experience with college instruction. This program is organized to provide students with new, expanded, and practical learning opportunities on the job so they may achieve the knowledge, skills, and abilities needed for career success.

In addition to the general work experience education course (WKEX 233), occupational work experience education courses are offered in all career education disciplines (see courses numbered 299 in career education disciplines).

Contact Information

Chair: Stacey Mathis
Dean: Benjamin Gamboa
https://www.miracosta.edu/student-services/career-center/index.html (https://www.miracosta.edu/student-services/career-center/)

Department: Career Studies & Services
Office: Oceanside, Building 14, Second Floor, 760.795.6772

Full-Time Faculty

Iris Ayala-Swindell
Stacey Mathis

Courses

WKEX 233: General Work Experience Education
Units: 0.5-14
Prerequisites: None
Corequisite: Complete 54 hours of work per unit, paid or unpaid.
Enrollment Limitation: Fourteen unit maximum in any combination of work experience education and/or internship studies per semester.
Acceptable for Credit: CSU
Laboratory 12.25 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job not directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Continuing Education

Noncredit Programs

MiraCosta College provides students the opportunity to earn a high school diploma as well as the noncredit certificates of completion and certificates of competency listed in the table below.

Certificate of Completion

The awarding of a certificate of completion means a student has completed a noncredit education program of noncredit courses that leads to improved employability or job opportunities and prepares them to progress in a career path or to undertake degree-applicable or nondegree-applicable credit courses.

Certificate of Competency

The awarding of a certificate of competency means a student enrolled in a noncredit educational program of noncredit courses has demonstrated achievement of a set of competencies that prepares them to progress in a career path or to undertake degree-applicable or nondegree-applicable credit courses.

Major Area	Certificate of Completion	Certificate of Competency	Diploma
Adult High School			🎓
Basic Education for Academic or Workforce Preparation		✹	
High School Equivalency Preparation		✹	
General Noncredit			
English Fundamentals: Grammar		✹	
English Fundamentals: Reading and Writing for Academic Preparation		✹	
English Fundamentals: Reading and Writing for Career Preparation		✹	
Noncredit English as a Second Language			
Advanced Noncredit ESL		✹	
Beginning Noncredit ESL		✹	
Intermediate Noncredit ESL		✹	
Short-Term Vocational			
Affordable Housing Management	★		
Computer Applications - Microsoft Excel	★		
Computer Applications - Microsoft Word	★		
Employment Success Skills	★		
Google Apps	★		
Office Clerk	★		
Teacher's Aide Training	★		

Adult High School

Noncredit Adult High School

MiraCosta College provides classes for adults who wish to obtain their high school diplomas. Some classes are also appropriate for individuals who wish to increase skills in preparation for college coursework, employment or advancement in the workplace, or personal growth. Classes are held at the Community Learning Center at 1831 Mission Avenue in Oceanside and are open to adults 18 years of age or older. Individuals who are under 18 years of age who can benefit from instruction may be allowed to enroll.

Any student enrolled in a day high school (regular or continuation) must meet the following criteria in order to take classes in MiraCosta's Adult High School: they must be either graduated from the 8th grade or at least 15 years old. Day high school students must also present a Concurrent Enrollment Permit signed by their day high school principal, counselor, and parent. An individual under the age of 18 who is not currently enrolled in a day high school (regular or continuation) may be allowed to enroll with a Minor's Permit signed by a parent or guardian.

The Concurrent Enrollment Permit and Minor's Permit are available at high school counseling offices, the Oceanside and San Elijo Admissions and Records Offices, and the Community Learning Center as well as online at Adult High School (https://www.miracosta.edu/academics/continuing-education/adult-high-school/).

Note: Students enrolled in this program are not eligible to receive federal financial aid.

Accreditation

The MiraCosta College Adult High School is accredited by the Accrediting Commission for Schools, Western Association of Schools and Colleges. Address: 533 Airport Blvd., Suite 200, Burlingame, CA. Phone: 650.696.1060.

Tuition

Courses offered in this program are provided tuition-free.

Hours Per Class/Credits Earned

Each adult high school course includes 48-to-54 in-class instructional hours plus 48-to-54 outside-of-class hours of laboratory or study time. Students receive five high school credits for each successfully completed class.

Adult High School Terms

Classes are offered in different formats and at a variety of times in order to meet students' varying needs. The regular school year has four 8-week terms plus a 6-week summer intersession.

Counseling and Evaluation

Counselors evaluate a student's standing upon their admission to the Adult High School, and they help the student plan a program to meet graduation requirements (see Sources of

Credit below). Counselors are available throughout each term to assist students with Adult High School, college, and career planning as well as with job searches.

Sources of Credit

Credit from the following sources may be applied toward the Adult High School diploma:

- Successful completion of MiraCosta College adult high school, specified noncredit, or specified credit courses.
- Transfer credit from other accredited secondary schools, colleges, and universities.
- High school correspondence courses from accredited institutions.
  - Students interested in earning credit toward specific graduation requirements for coursework, certificates, or exams completed outside the institution may submit a Continuing Education Petition for Course Substitution.
- Work achievement or service with educational value. Elective credits may be granted on the basis of verified work experience or military service resulting in knowledge or skills comparable to those acquired in a secondary school class. The granting of such credit requires submission of an Adult High School Diploma Application for Service. Elective credit determinations will be based on the following:
  - Employment - Credit will be granted on the basis of full-time or part-time employment and length of employment. A maximum of 40 elective credits may be granted: 5 credits for every 6 months of full-time work or 2.5 credits for every 6 months of part-time work. No credit will be granted for work achievement in excess of 12 months or 10 credits 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 consideration for credits beyond the initial 10.
    - A person must be employed for at least one year with the same firm before work achievement may be considered for credit, and they must spend at least 6 months at each type of work for which credit is requested. For example, if a person were employed by the same firm as a machinist for 9 months and a draftsperson for 5 months, they would be eligible to apply for five work achievement elective credits as a machinist, but they would not be eligible to receive credit for the work as a draftsperson.
- Vocational experience. 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. Five elective credits may be granted for 48 hours of vocational training. A certificate of completion stating the number of course hours must be submitted.
- Military service. Credit may be granted for 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.)

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 work achievement and/or military training or ratings.

Demonstration of Competency

Students must demonstrate competency in reading, writing, and mathematics. Competency may be demonstrated by completion of 30 English credits and completion of 20 math credits, including at least 5 credits in algebra.

Attendance and Participation

Students are required to maintain regular attendance and participation in all courses. Excessive absences or lack of participation may result in the student being dropped from the class(es).

Course Repetition

Credit may not be earned through repetition of a course for which credit has previously been granted unless specifically stated in the course description. (Note: All HSENG and HSMTH courses may be repeated one time each for credit.)

Residency Requirement

Students must successfully complete 20 credits in residence at MiraCosta College. Students may earn residency by completing 20 credits in adult high school coursework, 20 credits in approved noncredit courses, 6 college semester units at MiraCosta College, or any combination of credit and noncredit courses that is the equivalent of 20 high school credits.

Diploma Conferred

Diplomas are conferred at the end of a term or session and upon verified completion of all diploma requirements.

Contact Information

Chair: Angela Senigaglia
Dean: John Makevich
https://www.miracosta.edu/academics/continuing-education/adult-high-school/index.html (https://www.miracosta.edu/academics/continuing-education/adult-high-school/)

Department: Adult High School
Office: Community Learning Center, 1831 Mission Avenue, Oceanside, CA 92058, 760.795.8710

Full-Time Faculty

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Adult High School Diploma

MiraCosta College's Adult High School prepares adults for higher education and increased employability in a supportive, challenging, and accessible environment that respects and honors diversity. Upon entrance into the program, each student's previous coursework, skill levels, and academic and/or professional goals are determined in order to provide an individualized plan for goal attainment. Students must earn a total of 160 credits and complete at least 20 credits in residence or six college credit units at MiraCosta College.

Program Student Learning Outcomes

Upon completion of this program, students will be able to do the following:

- Obtain an awareness of, and preparation for, higher education.
- Acquire improved workplace skills for employability.
- Demonstrate improved self-efficacy.
- Model a sensitivity, to and awareness of, diverse perspectives.

Diploma Requirements

Natural Sciences (20 Credits)		20
Physical Sciences		
HSSCI 11	Physical Science 1 - Chemistry	
HSSCI 12	Physical Science 2 - Physics	
HSSCI 41	Physical Science 3 - Environmental Science	
Life Sciences		
HSSCI 21	Life Science 1A - Cell Biology	
HSSCI 23	Life Science 1B - Animal Biology	
HSSCI 22	Life Science 2 - Human Anatomy and Physiology	
HSSCI 51	Life Science 3 - Introduction to Biotechnology	
Students must successfully complete courses in both Life and Physical sciences.		
Social and Behavioral Sciences (30 Credits)		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 Credits)		10
HSIFA 11	Introduction to Fine Arts 1 - The History and Development of Theatre	
HSIFA 12	Introduction to Fine Arts 2 - Art and Music	
HSIFA 13	Beginning Film and Digital Media Production	
HSIFA 14	Introduction to Fine Arts 3: The History of Film	
English (30 Credits)*		30
HSENG 17	Basic Skills: Reading and Study Strategies	
College Preparation		
HSENG 16	Academic Grammar (College Preparation)	
HSENG 22	Academic Writing: The Five Paragraph Essay (College Preparation)	
HSENG 25	Academic Writing: The Research Paper (College Preparation)	
Career Preparation		
HSENG 15	Everyday Grammar (Career Preparation)	
HSENG 21	Everyday Writing: The Single Paragraph (Career Preparation)	
HSENG 23	Everyday Writing: Reports and Projects (Career Preparation)	
1. The California Ed Code requires students to demonstrate proficiency in reading and writing through the completion of coursework at a level generally accepted as appropriate for award of a high school diploma.		
2. Students may demonstrate reading and writing proficiency through the successful completion of a local English course(s); an equivalent graduation-level English course from another high school; or a college-level English course.		
Mathematics (20 Credits) **		20
HSMTH 11	Number Sense & Arithmetic	
HSMTH 12	Data & Probability	
HSMTH 13	Geometry & Measurement	
HSMTH 20	Algebra 1A	
HSMTH 21	Algebra 1B	
1. The California Ed Code requires students to demonstrate proficiency in the operations of mathematics as well as its practical applications through the completion of coursework at a level generally accepted as appropriate for award of a high school diploma.		
2. Students may demonstrate mathematics proficiency through the successful completion of local math course(s); an equivalent graduation-level math course from another high school; or a college-level math course.		
Electives (50 Credits)		50
HSETHN 10	Introduction to Ethnic Studies	
HSWFP 11	Applied Computer Skills	
NCABE 11	Mentorship for Student Success	
NCABE 92	High School Equivalency Preparation	
1. Students may earn elective credits for successful completion of the specific elective courses listed above and/or any graded noncredit course, as well as other high school or college-level courses not already used to satisfy discipline-specific credit requirements for our diploma. Students interested in this option should work directly with a noncredit counselor to determine eligible courses and credits.		
2. Other validated high school or college-level skills and knowledge gained outside the classroom may also be eligible as determined through the Noncredit Service and/or Substitution processes and forms. Students interested in these options should work directly with a noncredit counselor.		
Total Credits		160

* All HSENG courses may be repeated one time for credit. A maximum of 20 English credits may be awarded for the completion of English as a Second Language courses.

* *All HSMTH courses may be repeated one time for credit. Students must successfully earn a minimum of 5 credits

in algebra, or the equivalent, to meet the mathematics proficiency requirement for the high school diploma.

Certificates

Certificate of Competency

Basic Education for Academic or Workforce Preparation

This certificate is designed to help students review foundation skills in reading, writing, grammar, and mathematics. It demonstrates achievement in a set of proficiencies that help students prepare for their next educational or career-related goal. Students earn this certificate by successfully completing a combination of three noncredit courses.

Program Student Learning Outcomes

Upon completion of this program, students will be able to do the following:

- Obtain an awareness of, and preparation for, higher education.
- Acquire improved workplace skills for employability.

Required courses:		
English Courses		48-54
Students are required to take at least one of the following English courses.		
Academic Preparation		
HSENG 16	Academic Grammar (College Preparation)	
or NCENG 16	Academic Grammar (College Preparation)	
HSENG 17	Basic Skills: Reading and Study Strategies	
or NCENG 17	Basic Skills: Reading and Study Strategies	
HSENG 22	Academic Writing: The Five Paragraph Essay (College Preparation)	
or NCENG 22	Academic Writing: The Five Paragraph Essay (College Preparation)	
HSENG 25	Academic Writing: The Research Paper (College Preparation)	
or NCENG 25	Academic Writing: The Research Paper (College Preparation)	
Career Preparation		
HSENG 15	Everyday Grammar (Career Preparation)	
or NCENG 15	Everyday Grammar (Career Preparation)	
HSENG 21	Everyday Writing: The Single Paragraph (Career Preparation)	
or NCENG 21	Everyday Writing: The Single Paragraph (Career Preparation)	
HSENG 23	Everyday Writing: Reports and Projects (Career Preparation)	
or NCENG 23	Everyday Writing: Reports and Projects (Career Preparation)	
Math Courses		48-54
Students are required to take at least one of the following math courses.		
HSMTH 11	Number Sense & Arithmetic	
or NCMTH 11	Number Sense & Arithmetic	
HSMTH 12	Data & Probability	
or NCMTH 12	Data & Probability	
HSMTH 13	Geometry & Measurement	
or NCMTH 13	Geometry & Measurement	
HSMTH 20	Algebra 1A	
or NCMTH 20	Algebra 1A	
HSMTH 21	Algebra 1B	
or NCMTH 21	Algebra 1B	
Elective Courses		48-54
Students must also earn a "P" or passing grade in an elective course(s) with a minimum total of 48 hours.		
HSWFP 11	Applied Computer Skills	
NCABE 11	Mentorship for Student Success	
NCAHM 50	Introduction to Affordable Housing Management	
NCAHM 51	Emerging Leaders in Affordable Housing Management	
NCHORT 5	Garden Planting and Maintenance	
NCVOC 31	Beginning Microsoft Word	
NCVOC 33	Basic Google Apps	
NCVOC 39	Beginning Microsoft Excel	
NCWFP 22	Communication in the Workplace	
NCWFP 23	Social and Diversity Awareness in the Workplace	
NCWFP 24	Time Management and Goal Setting	
NCWFP 25	Teamwork and Collaboration	
NCWFP 40	Teacher's Aide Training - The Basics	
NCWFP 41	Teacher's Aide Training - Educational Technologies	
NCWFP 42	Teacher's Aide Training - Special Education	
Total Hours		**144-162**

Certificate of Competency

High School Equivalency Preparation

This certificate is for students who have completed coursework in preparation for a high school equivalency exam. In addition to completing the exam prep course, students will have successfully completed at least one additional, subject-specific course that provides a more comprehensive review of the computer, RLA, Mathematics, Social Studies, or Science skills for needed adequate test preparation, as well as academic, professional, and/or personal success.

Program Student Learning Outcome

Upon completion of this program, students will earn a passing score on all components of a high school equivalency exam.

Required courses:		
Students must earn a "P" or passing grade in the following course:		
NCABE 92	High School Equivalency Preparation	96-108

Electives:		48-54
NCABE 11	Mentorship for Student Success	
NCWFP 11	Applied Computer Skills	
Reasoning Through Language Arts Preparation (RLA)*		
NCENG 17	Basic Skills: Reading and Study Strategies	
NCENG 15	Everyday Grammar (Career Preparation)	
NCENG 21	Everyday Writing: The Single Paragraph (Career Preparation)	
NCENG 23	Everyday Writing: Reports and Projects (Career Preparation)	
NCENG 16	Academic Grammar (College Preparation)	
NCENG 22	Academic Writing: The Five Paragraph Essay (College Preparation)	
NCENG 25	Academic Writing: The Research Paper (College Preparation)	
Mathematical Reasoning Preparation*		
NCMTH 11	Number Sense & Arithmetic	
NCMTH 12	Data & Probability	
NCMTH 13	Geometry & Measurement	
NCMTH 20	Algebra 1A	
NCMTH 21	Algebra 1B	
Social Studies Preparation		
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	
Science Preparation		
HSSCI 21	Life Science 1A - Cell Biology	
HSSCI 23	Life Science 1B - Animal Biology	
HSSCI 22	Life Science 2 - Human Anatomy and Physiology	
HSSCI 11	Physical Science 1 - Chemistry	
HSSCI 12	Physical Science 2 - Physics	
HSSCI 41	Physical Science 3 - Environmental Science	
Total Hours		**144-162**

* All HSENG and HSMTH courses may also be used in lieu of an NCENG or NCMTH course.

Courses

HSAGT 10: American Government
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the institutions of the government of the United States of America. Topics include the principles and moral values of the 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.

HSECN 10: Economics
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

Economics introduces students to the basic economic principles of microeconomics and macroeconomics. Topics include international economics, comparative economic systems, measurement, and methods.

HSENG 15: Everyday Grammar (Career Preparation)
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students review grammar with a focus on the skills and tools that can be used to enhance real-world and workplace writing. Grammar principles focus on revision opportunities in personal and professional writing and the grammar mechanics of emails, letters, and other real-world documents. This course is ideal for students who want to review or practice personal and professional writing skills that can be used in everyday life. (May be repeated one time.)

HSENG 16: Academic Grammar (College Preparation)
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students review grammar with a focus on the skills and tools that can be used to enhance formal academic writing. Grammar principles focus on opportunities for essay revision and grammar mechanics for MLA and APA citation as well as common essay writing and revision tools. This course is ideal for students who want to review or practice the academic writing skills that will prepare them for college. (May be repeated time.)

HSENG 17: Basic Skills: Reading and Study Strategies
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: ALTERNATING TERMS

This course helps students improve their reading comprehension and vocabulary in various academic and career-related subjects. It emphasizes fundamental reading comprehension skills, real-world, workplace, and academic vocabulary enhancement, and effective study habits. (May be repeated one time.)

HSENG 21: Everyday Writing: The Single Paragraph (Career Preparation)
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students review different types of simple real-world and workplace documents. Reading assignments include texts such as manuals, directions, short letters, and emails. Writing assignments focus on short written responses, such as personal and professional emails and workplace documents like cover letters. This course is ideal for students who want to review or practice personal and professional writing skills that will prepare them for everyday life as well as current and future jobs. (May be repeated one time.)

HSENG 22: Academic Writing: The Five Paragraph Essay (College Preparation)
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students review standard paragraphs and essays and the tools that can be used to enhance formal academic writing. Reading assignments include fiction and non-fiction texts from diverse authors. Writing assignments focus on writing and revision opportunities in crafting a standard five-paragraph essay. This course is ideal for students who want to review or practice the academic writing skills that will prepare them for college. (May be repeated one time.)

HSENG 23: Everyday Writing: Reports and Projects (Career Preparation)
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students review different types of advanced real-world and workplace documents. Reading assignments include texts such as Pew research, home repair estimates, and academic or medical reports and evaluations. Writing assignments focus on longer written responses, such as personal and professional project proposals and career/vocation-specific writing. This course is ideal for students who already have some personal and professional writing experience or knowledge, but who desire more review and practice to enhance those skills for everyday life as well as for current and future jobs. (May be repeated one time.)

HSENG 25: Academic Writing: The Research Paper (College Preparation)
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students review different academic essay formats and the tools that can be used to enhance formal academic writing. Reading assignments include college-level texts from diverse authors. Writing assignments focus on writing and revising opportunities in crafting an academic research essay. This course is ideal for students who want to review or practice the academic writing skills that will prepare them for college. (May be repeated one time.)

HSETHN 10: Introduction to Ethnic Studies
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to ethnic studies as an academic discipline. Reading and writing assignments center on an interdisciplinary study of indigeneity, race, ethnicity, gender, and sexuality, with a focus on the experiences of people of color and other historically marginalized groups in the United States. The course provides an overview of the effects of historical and institutional racism and discrimination against African Americans, Native Americans, Asian Americans and Pacific Islanders, Latinx/Chicanx, and others through their perspectives. The course helps students explore their own ethnic identity/identities, and those of their peers, in an effort to center community cultural wealth, identity, and agency in both learning and social spaces.

HSIFA 11: Introduction to Fine Arts 1 - The History and Development of Theatre
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students will explore the diverse cultural traditions that have shaped theatre throughout history. Students' review of global perspectives and practices will emphasize inclusive, respectful, and critically engaged understandings of the role of theater and its elements from its prehistoric beginnings to the present.

HSIFA 12: Introduction to Fine Arts 2 - Art and Music
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students will explore the history and development of art and music with a commitment to cultural sensitivity and responsiveness, emphasizing diverse perspectives and representation. Topics include a review of the prehistoric origins of art, architecture, and music, through the late nineteenth and mid-twentieth centuries, and up to contemporary art and music.

HSIFA 13: Beginning Film and Digital Media Production
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Spring

This course offers a basic introduction to the video production environment. Students work with a team on a project through the pre-production, shooting, and post-production phases of narrative storytelling for the screen. Students critique professional and peer work while using appropriate film and video vocabulary. Students also learn basic operational skills for the video camera and editing system so that they can demonstrate their understanding of film techniques while creating video projects. Instruction covers film production, script writing, editing, and critical thinking. (May be repeated once.)

HSIFA 14: Introduction to Fine Arts 3: The History of Film
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

In this history of film class, students view, study, discuss, and write about films from various genres and different time periods. They develop and demonstrate technological, cultural, and media literacy skills as well as critical thinking and problem-solving skills that will serve them well in the real world. This course presents students to the basics of film analysis, cinematic elements, genre, and narrative structure. Students obtain the skills to identify, analyze, and appreciate film as an art and entertainment form, and they learn and become aware of films from a diverse group of writers and directors.

HSMTH 11: Number Sense & Arithmetic
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

Number Sense and Arithmetic supports adult learners in developing essential mathematical skills and confidence. This course is intended for students seeking to fulfill pre-collegiate requirements, meet the mathematics unit requirement for an adult high school diploma, or prepare for exams such as the GED. Topics include whole numbers, fractions, and decimals, with an emphasis on understanding, application, and numeracy. (May be repeated once.)

HSMTH 12: Data & Probability
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

Develops skills in data literacy, probability, and quantitative reasoning for real-world contexts. Students interpret and construct graphs, calculate percents, analyze measures of central tendency, apply basic counting principles, and solve simple probability problems. Applies math credit toward the Adult High School diploma and supports readiness for higher education, workplace applications, and preparation for the GED exam. (May be repeated once.)

HSMTH 13: Geometry & Measurement
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

Develops skills in geometric measurement and problem solving for real-world contexts. Students calculate perimeter, area, surface area, volume, and apply the Pythagorean Theorem while working with polygons, circles, and three-dimensional solids. Applies math credit toward the Adult High School diploma and supports readiness for higher education, workplace applications, and preparation for the GED exam. (May be repeated once.)

HSMTH 20: Algebra 1A
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

An introduction to foundational algebra concepts, designed for adult learners with little or no prior experience. Topics include the real number system, algebraic expressions, linear equations and inequalities, graphing in the coordinate plane (including slope, intercepts, and parallel/perpendicular lines), functions, and systems of linear equations. This course supports learners from diverse educational backgrounds, promotes equitable access to college and career pathways, and is aligned with GED algebra standards and ICAS college-prep competencies. (May be repeated one time.)

HSMTH 21: Algebra 1B
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

A continuation of introductory algebra concepts, designed for adult learners preparing for GED success, diploma enrichment, or transition to college and career pathways. Topics include exponents, operations with polynomials, factoring, and quadratic functions. Students will graph parabolas, interpret vertices and intercepts, and solve quadratic equations by factoring and using the quadratic formula. Instruction emphasizes inclusive and accessible approaches that support learners from diverse educational and cultural backgrounds, and the course is aligned with GED algebra standards and ICAS college-prep competencies. (May be repeated one time.)

HSSCI 11: Physical Science 1 - Chemistry
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: To be arranged

This introductory chemistry class introduces students to the study of matter and changes in matter. Topics include states of matter, chemical and physical changes, the development of the atomic theory, the periodic table and its use, writing chemical formulas, balancing chemical equations, types of chemical reactions, and an introduction to organic chemistry.

HSSCI 12: Physical Science 2 - Physics
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: To be arranged

This introductory physics course is non-algebra based and introduces students to the basic concepts of physics. Students learn to solve basic physics problems using metric measurements. Topics include motion, forces, forces in fluids, work, machines, energy, thermal energy, and heat.

HSSCI 21: Life Science 1A - Cell Biology
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: To be arranged

This introductory biology course covers the basics of cell biology, including cellular organization, cellular transport systems, cellular metabolism, and the requirements for life. The course also introduces genetics, including the structure and functions of DNA, Mendelian genetics, probability, and cellular reproduction.

HSSCI 22: Life Science 2 - Human Anatomy and Physiology
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: To be arranged

This course in human anatomy and physiology covers each of the eleven organ systems of the human body. It emphasizes learning the structures of each system along with their functions. The course also provides a more in-depth study of the physiology of cellular respiration, homeostasis, immunology, reproduction, and growth and development.

HSSCI 23: Life Science 1B - Animal Biology
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This introductory biology course covers the basics of animal biology. Topics include the scientific method, the characteristics of living things, evolution and evolutionary relationships among species, and fossils.

HSSCI 41: Physical Science 3 - Environmental Science
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This introductory environmental science course covers the basics on human population growth, natural resources, and ecosystem dynamics. Through the study of these topics, students develop an understanding of how interdependent life on Earth is and the cross-cutting relationships of the fields of science, such as chemistry, physics, and biology.

HSSCI 51: Life Science 3 - Introduction to Biotechnology
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This biotechnology science course introduces the use of living organisms in industrial, agricultural, medical, and other technological applications. Through the study of these topics, students obtain a comprehensive introduction to the scientific concepts and laboratory research techniques currently used in the field of biotechnology.

HSUSH 11: United States History 1
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course explores the major turning points in United States history from the nations beginnings through the early 20th Century.

HSUSH 12: United States History 2
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the major turning points in United States history from World War II to the present day with an emphasis on the twentieth century.

HSWFP 11: Applied Computer Skills
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

In this course, students develop essential computer and information technology skills for workplace and educational success. Students develop skills in using word processing software and in integrating several Microsoft applications. Students access, evaluate, and utilize information resources using the Internet and web browsers, and they get experience with a learning management system. Previous experience using computers, or completion of NCVOC 38 Computer Basics/ Keyboarding class, is recommended.

HSWHG 11: World History and Geography 1
High School Credits: 5
Prerequisites: None
Advisory: Students are advised to have completed HSENG 22 and a basic computer literacy course prior to taking World History 1.
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to world history, culture, and geography from the late eighteenth century to the conclusion of World War I.

HSWHG 12: World History and Geography 2
High School Credits: 5
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course introduces students to world history, culture, and geography from the conclusion of World War I through the present.

Noncredit English as a Second Language (NCESL)

Noncredit English as a Second Language (NCESL) Instruction

The goal of adult education in California is to provide learners of every age and educational level the opportunity to develop civic responsibility, a realization of the human potential, effective human relationships, and economic self-sufficiency. This broad goal forms the basis for the courses and programs MiraCosta College offers in each of the authorized categories of tuition-free noncredit instruction, including English as a Second Language (ESL).

At MiraCosta College, Noncredit ESL offers students a variety of learning opportunities to achieve proficiency in the English language and attain personal, academic, vocational, and/or civic goals. The program offers citizenship, workplace ESL, conversation, computer and digital literacy, and reading/writing classes, as well as open-entry distance learning classes. Specific information about the program is available on the Noncredit ESL (https://www.miracosta.edu/academics/continuing-education/esl/) webpage.

Contact Information

Chair: Kristi Reyes
Dean: John Makevich
https://www.miracosta.edu/academics/continuing-education/esl/index.html (https://www.miracosta.edu/academics/continuing-education/esl/)

Department: English as a Second Language
Office: Community Learning Center, 1831 Mission Avenue, Oceanside, CA 92058, 760.795.8710

Full-Time Faculty

Elizabeth Dinamarca Clarke
Monica Cueva
Ruth Gay
Mary Gross
Tricia Hoste
Kristi Reyes
Mariana Silva

Certificates

Certificate of Competency

Beginning Noncredit ESL

This entry-level certificate is designed to help students communicate in everyday life situations they will encounter in the community and at home, school, and work so they can meet their personal, academic, and career goals. Students earn this certificate by successfully completing at least two noncredit beginning-level ESL courses. Students must successfully complete the highest core course and at least one elective course to help them progress through the sequence and transition into intermediate-level courses or employment.

Program Student Learning Outcome

Upon completion of the program, students will be able to demonstrate the English language skills needed to communicate in everyday life situations they will encounter at home, at school, at work, and in the community.

Core Courses		
Students must earn a passing grade in at least one core course from the following list:		96
NCESL 10	English as a Second Language, Level 1	
NCESL 21	English as a Second Language, Level 2	
NCESL 22	English as a Second Language, Level 3 *	
Elective Courses		
Students must earn a passing grade in at least one elective course from the following list:		48
NCESL 20	Noncredit ESL Conversation Skills for Beginning Students	
NCESL 23	Reading and Writing for Beginning Level Students	
NCESL 81	Basic Computers and Digital Literacy (BCDL) for ESL Students (Beginning Level)	
Total Hours		**144**

* Students must complete the highest core course in order to earn this certificate.

Certificate of Competency

Intermediate Noncredit ESL

This intermediate-level certificate is designed to help students build on their abilities to communicate in English and to progress through the noncredit ESL program. Students earn this certificate by successfully completing at least two noncredit intermediate-level ESL courses. Students must successfully complete the required course and at least one elective course to help them progress through the sequence and transition into advanced-level courses or employment.

Program Student Learning Outcome

Upon completion of the program, students will be able to demonstrate the English skills necessary to successfully progress through the program to the advanced levels.

Required Course		
NCESL 32	English as a Second Language, Level 5 *	96
Elective Courses		
Students must earn a passing grade in at least one elective course from the following list:		48-96

NCESL 30	Noncredit ESL Conversation Skills for Intermediate Students	
NCESL 33	Reading and Writing for Intermediate Level Students	
NCESL 65	English as a Second Language, Citizenship **	
NCESL 81	Basic Computers and Digital Literacy (BCDL) for ESL Students (Beginning Level)	
NCESL 82	Computers and Digital Literacy (CDL) for ESL Students (Intermediate/Advanced Level)	
Total Hours		**144-192**

* Students placing lower than level 5 may want to take additional courses prior to enrolling in NCESL 32.
** Students may earn a passing grade in this course by completing a minimum of 48 hours.

Certificate of Competency

Advanced Noncredit ESL

This advanced-level certificate is designed to help students build on their abilities to communicate in English and to progress through the noncredit ESL program. Students earn this certificate by successfully completing at least two noncredit advanced-level ESL courses. Students must successfully complete the required course and at least one elective course to help them progress through the sequence and transition into Adult High School/GED courses, credit courses, or employment.

Program Student Learning Outcome

Upon completion of the program, students will be able to demonstrate the English skills necessary to successfully transition to ABE/Adult High School/GED, credit classes, or employment.

Required Course		
NCESL 45	English as a Second Language, Level 7 *	96
Elective Courses		
Students must earn a passing grade in at least one elective course from the following list:		48-96
NCESL 30	Noncredit ESL Conversation Skills for Intermediate Students	
NCESL 33	Reading and Writing for Intermediate Level Students	
NCESL 65	English as a Second Language, Citizenship **	
NCESL 82	Computers and Digital Literacy (CDL) for ESL Students (Intermediate/Advanced Level)	
Total Hours		**144-192**

* Students placing lower than level 7 may want to take additional courses prior to enrolling in NCESL 45.
** Students may earn a passing grade in this course by completing a minimum of 48 hours.

Courses

NCESL 10: English as a Second Language, Level 1
Prerequisites: None
Lecture 6 hours.
Course Typically Offered: Fall, Spring

Level 1 ESL is designed for students with little or no previous background in English. Non-literate or students with extremely low English skills are placed at this level. This integrated skills course provides students instruction in speaking, listening, reading, and writing English.

NCESL 15: Multilevel Beginning English as a Second Language
Prerequisites: None
Lecture 4.25 hours.
Course Typically Offered: Fall, Spring, and Summer

This beginning multilevel course is designed for students with little ability in English. It focuses on the speaking and understanding necessary to satisfy routine social demands and limited work requirements. Students in this level learn to comprehend high-frequency words in context, use learned phrases and sentences to communicate needs, and read and write simplified materials.

NCESL 20: Noncredit ESL Conversation Skills for Beginning Students
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course promotes listening comprehension and provides conversation practice. Students acquire the skills needed to have basic conversations with native speakers of English. Instruction focuses on beginning-level speaking and listening skills appropriate for conversational English.

NCESL 21: English as a Second Language, Level 2
Prerequisites: None
Lecture 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is designed for students with very little ability in English. It focuses on the speaking and understanding necessary to satisfy routine social demands and limited work requirements. Students in this level learn to comprehend high-frequency words in context, use learned phrases and sentences to communicate needs, and read and write simplified materials.

NCESL 22: English as a Second Language, Level 3
Prerequisites: None
Lecture 6 hours.
Course Typically Offered: Fall, Spring, and Summer

Level 3 ESL focuses on further development of the oral language skills and vocabulary required in day-to-day situations. Additionally, this course assists students to aurally comprehend conversations in routine situations, read and write simplified materials, and have control of basic grammar.

NCESL 23: Reading and Writing for Beginning Level Students
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on the reading and writing skills beginning-level learners need in order to learn vocabulary and produce simple and compound sentences and basic paragraphs.

NCESL 25: Multilevel Beginning-Intermediate English as a Second Language
Prerequisites: None
Lecture 4.25 hours.
Course Typically Offered: Fall, Spring, and Summer

This multilevel beginning-intermediate course focuses on further development of the oral language skills and vocabulary required in day-to-day situations. Additionally, this course assists students to aurally comprehend conversations in routine situations, read and write simplified materials, and have control of basic grammar.

NCESL 29: Listening and Speaking Skills for Multilingual Students
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall or Spring

This course emphasizes the development of listening and speaking skills for successful communication in 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 effectively participate in conversations, discussions, and other interpersonal communication exchanges in academic, work-related, and social contexts. Practical applications include participating in pair and small group discussions, recognizing unique pronunciation and intonation patterns, giving oral presentations, and developing academic note-taking abilities.

NCESL 30: Noncredit ESL Conversation Skills for Intermediate Students
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course promotes more advanced listening comprehension and conversation practice. Students acquire the skills needed to have conversations beyond basic survival needs with native speakers of English. Instruction focuses on authentic communication practice for home, work, community, and educational needs.

NCESL 31: English as a Second Language, Level 4
Prerequisites: None
Lecture 6 hours.
Course Typically Offered: Fall, Spring, and Summer

Level 4 ESL assists students to expand their listening and speaking skills in face-to-face conversations, read and interpret narrative and descriptive passages on familiar and some unfamiliar topics, and write simple routine correspondence and short paragraphs. Instruction focuses on the refinement of skills needed in conversations beyond students' survival needs. Students begin to monitor themselves on basic grammatical structures.

NCESL 32: English as a Second Language, Level 5
Prerequisites: None
Lecture 6 hours.
Course Typically Offered: Fall, Spring, and Summer

Level 5 ESL focuses on further development of the oral language skills and vocabulary required in day-to-day situations. Additionally, this course assists students to aurally comprehend and participate in routine conversations, read and write simplified materials, and have control of basic grammar.

NCESL 33: Reading and Writing for Intermediate Level Students
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course focuses on the reading and writing skills intermediate-level learners need in order to do process writing and self/peer editing at the paragraph level.

NCESL 35: Multilevel Intermediate-Advanced English as a Second Language
Prerequisites: None
Lecture 4.25 hours.
Course Typically Offered: Fall, Spring, and Summer

This multilevel intermediate-advanced course assists students in gaining skills that enable them to use English to meet social, academic, and vocational demands. The course supports students' language development in the skills areas of listening, speaking, reading, writing, and vocabulary so that students have the ability to comprehend and participate in routine conversations and written correspondence.

NCESL 39: Reading and Vocabulary Development for Multilingual Students
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course is designed for multilingual students who are making the transition to the use of academic English and who desire the development of reading and vocabulary skills needed for academic and workplace success. Students read a variety of texts and materials from culturally diverse traditions and apply appropriate reading strategies as well as participate in activities to advance vocabulary and facilitate comprehension.

NCESL 40: English as a Second Language, Level 6
Prerequisites: None
Lecture 6 hours.
Course Typically Offered: Fall, Spring, and Summer

Level 6 ESL stresses the refinement and expansion of language skills that enable students to use English to meet social, academic, and vocational demands effectively. Listening skill development focuses on the comprehension of abstract topics in familiar context. Speaking skill development focuses on participation in casual and extended conversations. Reading skills development focuses on reading authentic materials. Writing skill development focuses on the formal development of the writing process.

NCESL 45: English as a Second Language, Level 7
Prerequisites: None
Lecture 6 hours.
Course Typically Offered: Fall, Spring, and Summer

Level 7 ESL prepares noncredit ESL students to enroll in credit academic and/or vocational courses. This course emphasizes fluency and communication by integrating language functions and forms with appropriate information, sources, skills, and topics. The course promotes the continued development of reading and writing skills through the writing process.

NCESL 49: Grammar for Multilingual Students
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course is designed for students from multilingual backgrounds who are making the transition to the use of academic English and desire the development of grammatical skills for educational and workplace success. This course reviews basic English grammar to support students' communicative needs in speech and writing in both academic and social settings . Topics include parts of speech, clauses, verb forms and tenses, noun usage, mechanics, punctuation, and sentence types.

NCESL 53: Advanced Grammar for Writing for Multilingual Students
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course is designed to provide comprehensive instruction and practice of the more complex elements of English grammar and usage in writing. By refining grammatical skills, students express complex ideas and craft engaging, structurally sophisticated sentences in English that meet their specified communicative needs. Completion of this course enhances student writing clarity and confidence in college courses, particularly ENGL 100.

NCESL 55: Introduction to Academic Writing for Students from Multilingual Backgrounds
Prerequisites: None
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is designed for students from diverse language backgrounds who are making a transition to the use of academic English and who desire the development of writing skills. Building on students' unique personal, linguistic, and cultural experiences, 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 academic writing.

NCESL 57: Introduction to College Composition for Students from Multilingual Backgrounds
Prerequisites: None
Lecture 3.50 hours, laboratory 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course, designed for students from diverse language backgrounds, offers intensive practice in the writing process, critical reading, and critical thinking. It also provides practice in acquiring, synthesizing, and communicating information and in applying the principles and conventions of analytical writing. The course focuses on the development of analytical writing skills through the lens of the student's own heritage, cultural identity, and unique experiences.

NCESL 62: Workplace ESL (Advanced)
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course focuses on strengthening oral and written communication, reading, and vocabulary necessary for communication in the workplace and in employment training. Critical thinking, digital literacy, soft skills, and cross-cultural awareness are integrated throughout the course to prepare students for workplace conversations and group discussions, composing professional correspondence, and interacting appropriately in diverse workplace environments. (Formerly NCESL 62B.)

NCESL 65: English as a Second Language, Citizenship
Prerequisites: None
Lecture 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This course provides intermediate and advanced ESL students with the basic knowledge and information necessary for becoming a United States citizen and a basic understanding of the rights and responsibilities of citizenship. Students study U.S. history and government, basic geography, and culture to prepare for the U.S. Citizenship and Immigration Services naturalization exam. Students study the process and samples of the required forms to successfully pass the naturalization examination.

NCESL 65A: Citizenship Preparation (Beginner)
Prerequisites: None
Advisory: NCESL 10 or be eligible for NCESL 21.
Lecture 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This first of two citizenship courses prepares beginner ESL students for the US Citizenship and Immigration Services (USCIS) naturalization exam. The course introduces students to the naturalization process and requirements. It focuses on writing simple English sentences, developing fluency in speaking and listening, and producing accurate pronunciation as students study the US system of government and history as well as the rights and responsibilities of US citizenship.

NCESL 65B: Citizenship Preparation (Intermediate - Advanced)
Prerequisites: None
Lecture 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This second of two citizenship courses prepares intermediate/advanced ESL students for the US Citizenship and Immigration Services (USCIS) naturalization exam. Students learn about the naturalization process and requirements, including Form N-400. The course focuses on writing paragraphs with complex sentences, improving English speaking, reading, and writing skills, and understanding the US system of government and history as well as the rights and responsibilities of US citizenship.

NCESL 81: Basic Computers and Digital Literacy (BCDL) for ESL Students (Beginning Level)
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This computer class for beginning students in the Noncredit ESL program covers basic vocabulary related to technology and computers, email, word-processing, and presentation software. Students are exposed to keyboard lessons and activities to increase their accuracy. Students develop language skills (listening, speaking, reading, and writing) through individual, pair, and group work.

NCESL 82: Computers and Digital Literacy (CDL) for ESL Students (Intermediate/Advanced Level)
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This computer class for intermediate/advanced students in the Noncredit ESL program covers vocabulary related to technology and computers. It also covers topics such as digital literacy, Internet, email, word-processing, presentation software, and spreadsheets Students develop language skills (listening, speaking, reading, and writing) through individual, pair, and group work.

Lifelong Learning (General NC)

Noncredit Classes for Adults

The goal of adult education in California is to provide citizens of every age and educational level the opportunity to develop civic responsibility, a realization of the human potential, effective human relationships, and economic self-sufficiency. This broad goal forms the basis for the courses and programs MiraCosta College offers in each of the authorized categories of tuition-free noncredit instruction.

- **College readiness courses for math and English review.** We offer a variety of college readiness courses for students who wish to improve their skills in English or mathematics or want to prepare for a high school equivalency exam. These classes are ideal for students who have a high school diploma but need to refresh their skills; who want a low-stakes experience back in a school environment; who desire to practice their math and English skills for personal or professional growth; or who need GED/HiSet test preparation guidance.
- **Independent living skills for adults with developmental disabilities.** These courses are designed to provide adults with intellectual and developmental disabilities the life skills essential to fulfilling academic, vocational, and personal goals. Our courses are taught by caring and experienced instructors who foster a safe, supportive, and welcoming learning environment for all learners.
- **Lifelong learning courses for older adults.** These courses are specifically designed to provide opportunities to older adults for personal growth and development; regular and safe physical activity; and maintaining mental well-being. The program offers classes both online and in person for a wide variety of topics, including chair yoga, art, writing, improv, and more.

Contact Information

Chair: Erica Duran
Dean: John Makevich
https://www.miracosta.edu/academics/continuing-education/index.html (https://www.miracosta.edu/academics/continuing-education/)

Department: Lifelong Learning (General NC)
Office: Community Learning Center, 1831 Mission Avenue, Oceanside, CA 92058, 760.795.8710

Certificates

Certificate of Competency

English Fundamentals: Grammar

This certificate provides a supportive, noncredit, competency-based pathway for students wishing to improve their foundational English language and grammar skills.

Program Student Learning Outcome

Upon completion of this program, students will be able to compose grammatically correct sentences for personal, professional, and academic documents.

Grammar Courses

Students must earn a passing grade in at least two of the following courses:	96-108
HSENG 15	Everyday Grammar (Career Preparation)
or NCENG 15	Everyday Grammar (Career Preparation)
HSENG 16	Academic Grammar (College Preparation)
or NCENG 16	Academic Grammar (College Preparation)
NCENG 30	Sentence Crafting
Total Hours	**96-108**

Certificate of Competency

English Fundamentals: Reading and Writing for Academic Preparation

This certificate provides a supportive, noncredit, competency-based pathway for students wishing to improve their basic literacy and comprehension skills for college preparation.

Program Student Learning Outcome

Upon completion of this program, students will be able to read personal, professional, and academic documents and texts with clarity, comprehension, and confidence.

College Preparation Courses		96-108
Students must earn a passing grade in at least two of the following courses:		
HSENG 16	Academic Grammar (College Preparation)	
or NCENG 16	Academic Grammar (College Preparation)	
HSENG 17	Basic Skills: Reading and Study Strategies	
or NCENG 17	Basic Skills: Reading and Study Strategies	
HSENG 22	Academic Writing: The Five Paragraph Essay (College Preparation)	
or NCENG 22	Academic Writing: The Five Paragraph Essay (College Preparation)	
HSENG 25	Academic Writing: The Research Paper (College Preparation)	
or NCENG 25	Academic Writing: The Research Paper (College Preparation)	
Total Hours		**96-108**

Certificate of Competency

English Fundamentals: Reading and Writing for Career Preparation

This certificate provides a supportive, noncredit, competency-based pathway for students wishing to improve their basic everyday and/or job-related reading and writing skills for career preparation.

Program Student Learning Outcome

Upon completion of this program, students will be able to compose personal, professional, and academic documents with clarity and organization.

Career Preparation Courses		96-108
Students must earn a passing grade in at least two of the following courses:		
HSENG 15	Everyday Grammar (Career Preparation)	
or NCENG 15	Everyday Grammar (Career Preparation)	
HSENG 17	Basic Skills: Reading and Study Strategies	
or NCENG 17	Basic Skills: Reading and Study Strategies	
HSENG 21	Everyday Writing: The Single Paragraph (Career Preparation)	
or NCENG 21	Everyday Writing: The Single Paragraph (Career Preparation)	
HSENG 23	Everyday Writing: Reports and Projects (Career Preparation)	
or NCENG 23	Everyday Writing: Reports and Projects (Career Preparation)	
Total Hours		**96-108**

Adult Basic Education Courses

NCABE 11: Mentorship for Student Success
Prerequisites: None
Lecture 1.25 hours.
Course Typically Offered: Fall, Spring, and Summer

This course pairs students with a faculty mentor who will provide encouragement and personalized support throughout their educational career in an identified Continuing Education program. This course is designed to provide continuity of mentorship for students, enhance a student's sense of self, develop social and cultural capital within an academic setting, encourage educational engagement, and increase a sense of belonging at MiraCosta College.

NCABE 92: High School Equivalency Preparation
Prerequisites: None
Lecture 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This course prepares students to pass a high school diploma equivalency exam. It provides both online and in-person instruction as well as individualized coaching. The course introduces students to each of the high school equivalency subject tests, determines their present readiness, and provides an individualized course of study for each subject area. The course also provides students with information on exam costs, testing options, the scheduling process, information on further academic and/or career pathways, and more. Students may enroll in this course as many times as needed to support their success and completion of the diploma equivalency exams.

NCENG 15: Everyday Grammar (Career Preparation)
Prerequisites: None
Enrollment Limitation: Not open to credit students.
Lecture 3 hours. (4930.72)
Course Typically Offered: Fall, Spring, and Summer

In this course, students review grammar with a focus on the skills and tools that can be used to enhance real-world and workplace writing. Grammar principles focus on revision opportunities in personal and professional writing and the grammar mechanics of emails, letters, and other real-world documents. This course is ideal for students who want to review or practice personal and professional writing skills that can be used in everyday life. (May be repeated one time.)

NCENG 16: Academic Grammar (College Preparation)
Prerequisites: None
Enrollment Limitation: Not open to credit students.
Lecture 3 hours. (1501.00)
Course Typically Offered: Fall, Spring, and Summer

In this course, students review grammar with a focus on the skills and tools that can be used to enhance formal academic writing. Grammar principles focus on opportunities for essay revision and grammar mechanics for MLA and APA citation as well as common essay writing and revision tools. This course is ideal for students who want to review or practice the academic writing skills that will prepare them for college.

NCENG 17: Basic Skills: Reading and Study Strategies
Prerequisites: None
Enrollment Limitation: Not open to credit students.
Lecture 3 hours. (1520.00)
Course Typically Offered: ALTERNATING TERMS

This course helps students improve their reading comprehension and vocabulary in various academic and career-related subjects. It emphasizes fundamental reading comprehension skills, real-world, workplace, and academic vocabulary enhancement, and effective study habits.

NCENG 21: Everyday Writing: The Single Paragraph (Career Preparation)
Prerequisites: None
Enrollment Limitation: Not open to credit students.
Lecture 3 hours. (4930.72)
Course Typically Offered: Fall, Spring, and Summer

In this course, students review different types of simple real-world and workplace documents. Reading assignments include texts such as manuals, directions, short letters, and emails. Writing assignments focus on short written responses, such as personal and professional emails and workplace documents like cover letters. This course is ideal for students who want to review or practice personal and professional writing skills that will prepare them for everyday life as well as current and future jobs.

NCENG 22: Academic Writing: The Five Paragraph Essay (College Preparation)
Prerequisites: None
Enrollment Limitation: Not open to credit students.
Lecture 3 hours. (1501.00)
Course Typically Offered: Fall, Spring, and Summer

In this course, students review standard paragraphs and essays and the tools that can be used to enhance formal academic writing. Reading assignments include fiction and non-fiction texts from diverse authors. Writing assignments focus on writing and revision opportunities in crafting a standard five-paragraph essay. This course is ideal for students who want to review or practice the academic writing skills that will prepare them for college.

NCENG 23: Everyday Writing: Reports and Projects (Career Preparation)
Prerequisites: None
Lecture 3 hours. (4930.72)
Course Typically Offered: Fall, Spring, and Summer

In this course, students review different types of advanced real-world and workplace documents. Reading assignments include texts such as Pew research, home repair estimates, and academic or medical reports and evaluations. Writing assignments focus on longer written responses, such as personal and professional project proposals and career/vocation-specific writing. This course is ideal for students who already have some personal and professional writing experience or knowledge, but who desire more review and practice to enhance those skills for everyday life as well as for current and future jobs.

NCENG 25: Academic Writing: The Research Paper (College Preparation)
Prerequisites: None
Enrollment Limitation: Not open to credit students.
Lecture 3 hours. (1501.00)
Course Typically Offered: Fall, Spring, and Summer

In this course, students review different academic essay formats and the tools that can be used to enhance formal academic writing. Reading assignments include college-level texts from diverse authors. Writing assignments focus on writing and revising opportunities in crafting an academic research essay. This course is ideal for students who want to review or practice the academic writing skills that will prepare them for college.

NCENG 30: Sentence Crafting
Prerequisites: None
Lecture 3 hours. (1501.00)
Course Typically Offered: Fall, Spring, and Summer

This course emphasizes sentence craft and effective communication in prose by reviewing basic grammar conventions while considering different audience expectations and circumstances. Topics include audience awareness, editing strategies, prescriptive versus descriptive conventions, voice, and sentence types. This course is intended for students who want to improve the efficacy and complexity of their prose at the sentence level.

NCENG 52: College Composition Skills and Support
Prerequisites: None
Corequisite: ENGL C1000.
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 C1000.

NCMTH 11: Number Sense & Arithmetic
Prerequisites: None
Enrollment Limitation: Not open to credit students.
Lecture 3 hours. (1701.00)
Course Typically Offered: Fall, Spring, and Summer

Number Sense & Arithmetic supports adult learners in developing essential mathematical skills and confidence. This course is intended for students seeking to strengthen foundational math skills or prepare for exams such as the GED. Topics include whole numbers, fractions, and decimals, with an emphasis on understanding, application, and numeracy.

NCMTH 12: Data & Probability
Prerequisites: None
Enrollment Limitation: Not open to credit students.
Lecture 3 hours. (1701.00)
Course Typically Offered: Fall, Spring, and Summer

Develops skills in data literacy, probability, and quantitative reasoning for real-world contexts. Students interpret and construct graphs, calculate percents, analyze measures of central tendency, apply basic counting principles, and solve simple probability problems. Supports readiness for higher education, workplace applications, and preparation for the GED exam.

NCMTH 13: Geometry & Measurement
Prerequisites: None
Enrollment Limitation: Not open to credit students.
Lecture 3 hours. (1701.00)
Course Typically Offered: Fall, Spring, and Summer

Develops skills in geometric measurement and problem solving for real-world contexts. Students calculate perimeter, area, surface area, volume, and apply the Pythagorean Theorem while working with polygons, circles, and three-dimensional solids. Supports readiness for higher education, workplace applications, and preparation for the GED exam.

NCMTH 20: Algebra 1A
Prerequisites: None
Enrollment Limitation: Not open to credit students.
Lecture 3 hours. (1701.00)
Course Typically Offered: Fall, Spring, and Summer

An introduction to foundational algebra concepts, designed for adult learners with little or no prior experience. Topics include the real number system, algebraic expressions, linear equations and inequalities, graphing in the coordinate plane (including slope, intercepts, and parallel/perpendicular lines), functions, and systems of linear equations. This course supports learners from diverse educational backgrounds, promotes equitable access to college and career pathways, and is aligned with GED algebra standards and ICAS college-prep competencies.

NCMTH 21: Algebra 1B
Prerequisites: None
Enrollment Limitation: Not open to credit students.
Lecture 3 hours. (1701.00)
Course Typically Offered: Fall, Spring

A continuation of introductory algebra concepts, designed for adult learners preparing for GED success, diploma enrichment, or transition to college and career pathways. Topics include exponents, operations with polynomials, factoring, and quadratic functions. Students will graph parabolas, interpret vertices and intercepts, and solve quadratic equations by factoring and using the quadratic formula. Instruction emphasizes inclusive and accessible approaches that support learners from diverse educational and cultural backgrounds, and the course is aligned with GED algebra standards and ICAS college-prep competencies.

Health and Safety Courses

NCHLT 11: Spinal Fitness for Lifelong Learners
Prerequisites: None
Laboratory 4 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is designed to optimize strength and flexibility of the back and body. Students learn a variety of exercises and rhythmic movements, including low-impact weight-bearing exercise, resistance work with light weights, static stretches, and relaxation routines.

NCHLT 75: Balance and Mobility
Prerequisites: None
Laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is designed for individuals at moderate risk for fall (e.g., self-identified balance problems, existing fall history, including the ability to stand and ambulate independently). Students must be able to stand and ambulate independently. The course adopts a multidimensional approach to balance-related problems. Activities target specific balance problems in a challenging training environment.

Older Adults Courses

NCART 11: Intermediate Techniques in Painting
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is designed for students with prior experience in drawing and painting who are ready to further develop their artistic skills. The course emphasizes advanced techniques in drawing, color theory, and composition. Students explore a variety of painting subjects, including still life, florals, landscapes, and abstract works, using media such as acrylics, oils, watercolor, pastels, and mixed media.

NCART 12: Advanced Techniques in Painting
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is designed for students who know how to paint and draw and who feel confident about their abilities. The course covers advanced composition, color use, landscapes, and portraits. Students create a suite of paintings on a theme of their choice or follow a class syllabus designed to challenge the more experienced artist. Students are encouraged to use all media, including acrylic, watercolor, pastel, pencil, pen, and ink.

NCART 13: Acrylic Painting
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the fundamentals of acrylic painting, with an emphasis on color theory and essential techniques. Through a combination of lecture, demonstration, and hands-on practice, students plan and create a variety of paintings, including still life, abstract compositions, seascapes, and works emphasizing perspective. Students are responsible for providing their own materials.

NCART 15: Portrait and Figure Drawing and Painting
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers the fundamentals of drawing and painting portraits and the human figure, with an emphasis on accurate anatomy, proportion, and effective use of materials. Students work from clothed or nude models, photographs, and masterworks, and are expected to provide their own supplies.

NCART 17: Painting and Drawing
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring, and Summer

This course uses drawing as a foundation to inform and enhance students painting practice. Working primarily with graphite and charcoal, students explore color through water-based media, such as gouache, watercolor, and acrylic. The course encourages creative experimentation with mixed media, including ink, pastel chalk, and oil pastels. Students are responsible for providing their own supplies.

NCART 20: Basic Drawing and Sketching
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring, and Summer

This course covers the basic principles and techniques in drawing and sketching. Topics include the use of line to define form, cross-hatching, shading, rubbing, blending, values, and color. Students practice thumbnail sketches and use a variety of materials, such as graphite, colored pencils, markers, pen and ink, charcoal and pastel chalks, and oil pastels. Students are expected to furnish their own supplies.

NCART 31: Watercolor Painting, Beginning
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring, and Summer

This class is designed to acquaint beginners with the techniques, properties, and materials of transparent watercolors. It exposes students to basic art elements, such as value, composition, color, textures, and drawing principles. Students plan and create several watercolor pieces that are critiqued by the instructor, and students must provide their own materials.

NCART 32: Watercolor Painting, Intermediate
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring, and Summer

This course in transparent watercolor painting is designed to improve the watercolor skills of an intermediate watercolor student. Assignments stress more advanced composition elements and originality. Students practice planning and executing watercolor pieces after faculty lecture and demonstration, and their work is evaluated during group critique sessions. Students are expected to provide their own supplies.

NCART 35: Watercolor Painting on Location
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring, and Summer

In this watercolor painting course, students apply previously learned skills in real-world settings through required, free weekly field trips to various outdoor locations across North County San Diego. Each class session takes place on location at a different site, where students practice watercolor techniques, explore principles of design and composition, and refine their drawing skills. The course encourages creative ways of seeing color and light while deepening awareness of the surrounding environment. Students provide their own materials and arrange their own transportation to each site. A list of locations will be provided on the first day of class.

NCART 70: Multimedia Sculpture
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring, and Summer

Students learn sculpture techniques through a variety of media, including paper, plaster, clay, and assembly as well as from a variety of artists working in various media. The class offers creative ideas for the novice as well as new techniques for practicing artists. Students are expected to provide the materials needed to complete class projects.

NCHAS 12: Nutrition and Fitness for Better Health
Prerequisites: None
Lecture 2 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is designed for seniors who desire to lose between five and forty pounds. The course emphasizes the development of nutritionally sound eating habits to reduce by one to two pounds per week. It also examines a variety of issues involved with successful weight management, including exercise, stress management, strategies for eating out, evaluation of fad diets, building confidence, and changing habits.

NCHAS 70: Body Conditioning Over Easy
Prerequisites: None
Laboratory 4 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is designed for older adults with physical limitations in their feet, knees, and hips who still want to exercise. Class begins with a seated segment to warm-up and range-of-motion exercises and is followed by standing/seated low impact cardio and balance exercises. The next segment includes seated strength exercises using light hand weights and resistance bands, exercises to improve brain fitness, and range of motion exercises using small balls. The class concludes with standing and seated cool-down and relaxation exercises.

NCHAS 71: Body Conditioning for Older Adults
Prerequisites: None
Laboratory 2.75 hours.
Course Typically Offered: Fall, Spring, and Summer

This course teaches exercise techniques that meet the needs of older adults at all levels of fitness (beginning through advanced). Exercises include warm-ups, semi-cardio and cardiovascular workouts, mat routines, repetitious exercise for muscular toning, strength and endurance, balance, stretching, flexibility, and cool-downs. Students work at their own pace and levels of fitness. Pulse rates may be taken before, during, and after various exercises to gauge appropriateness of exercise level. As with any exercise program, a physician's approval is recommended.

NCHAS 85: Chair Yoga for Lifelong Learners
Prerequisites: None
Laboratory 2.75 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is designed for older adults who desire to improve muscular endurance, flexibility, and balance and 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.

NCHAS 86: Beginning Tai Chi for Lifelong Learners
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring, and Summer

This beginning-level tai chi course introduces older adults to the gentle, flowing movements of tai chi to improve balance, flexibility, coordination, and mental focus. The course emphasizes breath work, mindful movement, meditation, and relaxation. All exercises are taught in a safe, supportive environment and can be done standing or seated. No prior experience is necessary.

NCPSY 11: Self-Awareness Through Improvisation
Prerequisites: None
Lecture 2.25 hours.
Course Typically Offered: Fall, Spring, and Summer

Especially for older adults, this course uses improvisation as a means of developing self-awareness, imagination, and creativity, thus enhancing the ability to interact socially. Classroom improvisation emphasizes thinking, listening, and reacting to others.

NCPSY 13: The Impact of Radio on Our Lives
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring

Designed for lifelong learners, this course invites you to revisit the golden age of radio. Explore how classic shows from the 1930s1950s shaped values and entertainment, then collaborate with classmates to read and perform original radio scripts.

NCWRT 10: Creative Writing
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring

This creative writing workshop accommodates all levels of writers and/or poets, from beginning to experienced, as well as all styles and forms of writing, including prose (fiction and nonfiction/memoir) and poetry. Students are encouraged to write on a regular basis, to write different kinds of materials, to develop a personal style, and to develop writing goals.

NCWRT 16: Genre Writing
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring, and Summer

This creative writing workshop focuses on an in-depth examination of one genre of writing. It includes workshops for students to practice writing in the specified genre and provides ongoing feedback from both instructors and peers. This course accommodates all levels of writers and/or poets, from beginning to experienced. Students are encouraged to write on a regular basis, to write different kinds of materials, and to develop a personal style. Professional writers may serve as guest speakers, and students are encouraged to submit works for publication or production.

NCWRT 20: Life Story Writing
Prerequisites: None
Lecture 2.75 hours.
Course Typically Offered: Fall, Spring

This introductory workshop on life story writing and personal narrative guides students in sharing their life experiences through the art of essay and poetry. 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 course incorporates workshops 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.

Special Education Courses

NCSPC 25: Effective Life Skills
Prerequisites: None
Lecture 10 hours.
Course Typically Offered: Fall, Spring

This course provides students with intellectual and/or developmental disabilities the skills to increase their independence in daily life. The course supports students' personal growth skills (identifying interests, aptitudes, values, needs, and personality characteristics; increasing self-esteem and self-advocacy; and setting goals), social development (improving conversational and social networking skills), and practical living skills (using community resources, managing money and time, solving problems, and making decisions).

NCSPC 26: Basic Academic Skills
Prerequisites: None
Lecture 5 hours.
Course Typically Offered: Fall, Spring, and Summer

This course focuses on increasing basic academic skills for students with intellectual and developmental disabilities. Students work in areas of reading, writing, mathematics, use of basic computer applications, health and safety, communication skills, and overall problem solving. Class time includes individual and/or small group work with an emphasis on understanding the application of basic skills to real life with increased independence.

NCSPC 28: Basic Computer Skills 2 for Learners with Intellectual and Developmental Disabilities
Prerequisites: None
Lecture 5 hours.
Course Typically Offered: Fall, Spring, and Summer

In this course, students with varying abilities build confidence using technology tools like Canvas, email, word processing programs, and web browsers. Students practice simple Internet searches and learn how to share and organize information through email.

NCSPC 30: Communication and Healthy Relationships
Prerequisites: None
Lecture 2.50 hours.
Course Typically Offered: Fall, Spring

This noncredit course is designed to help students with varying abilities develop practical communication skills and build healthy relationships. Students learn strategies for expressing themselves, active listening, conflict resolution, and fostering positive connections with others.

NCSPC 31: Healthy Habits and Practices
Prerequisites: None
Lecture 2.50 hours.
Course Typically Offered: Fall, Spring

This noncredit course introduces students with varying abilities to essential concepts and practices for maintaining physical health and wellness. Topics include physical fitness, nutrition, disease prevention, fall prevention, basic first aid, and accessing health care services. Students learn to identify internal cues for wellness and illness, make healthy lifestyle choices, and develop self-advocacy skills related to their physical health needs.

NCSPC 32: Arts for Wellness
Prerequisites: None
Lecture 2.50 hours.
Course Typically Offered: Fall, Spring

This noncredit course introduces adults with varying abilities to the wellness arts, promoting holistic well-being through creative expression and mindfulness practices. Students explore various art modalities and techniques to reduce stress, improve emotional regulation, and enhance overall quality of life.

Short-Term Vocational

Noncredit Career Preparation

MiraCosta College provides a robust offering of free workforce preparation (NCWFP) and short-term vocational (NCVOC) classes and Certificates of Completion to prepare students for entry-level employment and advancement in their current careers.

Courses include Business Office Technology (NCBOT), Affordable Housing Management (NCAHM), Teacher's Aide Training, Office Clerk prep courses, Word, Excel, Google Apps, Basic Automotive Maintenance, and more. For working adults and those with changing schedules, we offer courses on Saturdays, evenings, online, and in person to provide maximum flexibility.

Contact Information

Chair: Erica Duran
Dean: John Makevich
https://www.miracosta.edu/academics/continuing-education/college-and-career-prep/index.html (https://www.miracosta.edu/academics/continuing-education/college-and-career-prep/)

Department: Short-Term Vocational
Office: Community Learning Center, 1831 Mission Avenue, Oceanside, CA 92058, 760.795.8710

Certificates

Certificate of Completion

Affordable Housing Management

This certificate program is designed to empower, educate, and deliver the necessary tools and skills needed to be successful within the property management industry with a specific emphasis on affordable housing community management. The program's curriculum is the result of a collaboration between MiraCosta College's Short Term Vocational Program and the San Diego Housing Federation (SDHF), our region's strongest advocate for more affordable housing. The SDHF was formed as a 501(c)3 charitable non-profit with the goal of strengthening the non-profit affordable housing development industry in San Diego County through education, outreach, and support of important programs and legislation.

The program consists of two short-term courses. Students begin with an introductory course that covers the essential duties of a manager for a multi-family residential community. Students collaborate with industry mentors who provide guidance in areas such as career path counseling, interview skills, and resume writing skills.

Students who complete the program are well-prepared to emerge within the property management industry and bring their life experiences to impact not only the industry, but also the residents in affordable housing communities.

Program Student Learning Outcome

Upon completion of this program, students will be prepared to enter the workforce as a property manager in affordable housing.

Required courses:		
NCAHM 50	Introduction to Affordable Housing Management	24-27
NCAHM 51	Emerging Leaders in Affordable Housing Management	24-27
Total Hours		**48-54**

Certificate of Completion

Computer Applications - Microsoft Word

This certificate demonstrates that students have successfully completed beginning and intermediate courses in Microsoft Word that prepares them for employment.

Program Student Learning Outcome

Upon completion of this program, students will demonstrate intermediate use of Microsoft Word including word processing shortcuts, document formatting, templates, tables, mail merge, and the ability to import information from other applications.

Required courses:		
NCVOC 31	Beginning Microsoft Word	24-27
NCVOC 32	Intermediate Microsoft Word	24-27
Total Hours		**48-54**

Certificate of Completion

Computer Applications - Microsoft Excel

This certificate demonstrates that students have successfully completed Beginning and Intermediate Microsoft Excel courses that prepare them for employment.

Program Student Learning Outcome

Upon completion of this program, students will demonstrate intermediate use of Microsoft Excel including Excel shortcuts, creating and formatting spreadsheets, using formulas and functions to calculate data, selecting appropriate chart types to convey data, and managing large and multifaceted workbooks utilizing filters, what-if scenarios and sorting.

Required courses:		
NCVOC 39	Beginning Microsoft Excel	24-27
NCVOC 40	Intermediate Microsoft Excel	24-27
Total Hours		**48-54**

Certificate of Completion

Employment Success Skills

This certificate provides students with essential soft skills to improve their employability and expand their professional knowledge. Students learn the importance of foundational skills, such as collaboration with colleagues, time management for work tasks, effective communication strategies, and the value of a diverse workplace. Participants engage in role-playing activities, workplace simulations, and student-centered activities.

Program Student Learning Outcome

Upon completion of this program, students will be able to demonstrate knowledge of effective workplace communication techniques.

Required courses:		
NCWFP 22	Communication in the Workplace	16-18
NCWFP 23	Social and Diversity Awareness in the Workplace	24-27
NCWFP 24	Time Management and Goal Setting	16-18
NCWFP 25	Teamwork and Collaboration	16-18
Total Hours		**72-81**

Certificate of Completion

Google Apps

This certificate demonstrates that students have successfully completed beginning and intermediate courses in Google Apps that prepare them for usage of the apps in academic work and employment.

Program Student Learning Outcome

Upon completion of this program, students will be able to demonstrate intermediate use of Google Apps for academic and workplace tasks.

Required courses:		
NCVOC 33	Basic Google Apps	24-27
NCVOC 34	Intermediate Google Apps	24-27
Total Hours		**48-54**

Certificate of Completion

Office Clerk

Students learn essential technology, office, and soft skills necessary for an entry-level position as an office clerk.

Program Student Learning Outcome

Upon completion of this program, students will be able to demonstrate the skills needed to enter the workforce as entry-level office clerks.

Required courses:		
NCVOC 31	Beginning Microsoft Word	24-27
NCVOC 39	Beginning Microsoft Excel	24-27
NCWFP 11	Applied Computer Skills	48-54
NCBOT 20	Specialized Documents for Business	48-54
NCBOT 30	Office Skills and Procedures	48-54
Total Hours		**192-216**

Certificate of Completion

Teacher's Aide Training

This short-term (two course minimum) career education certificate exposes students to the basic skills needed to gain entry-level employment as a classroom or academic instructional aide/paraprofessional. The certificate may also assist students in preparing for college-level (credit) courses in child development, education, and/or special education.

Program Student Learning Outcome

Upon completion of this program, students will be able to demonstrate knowledge of basic terms, procedures, and technologies used by an instructional aide in an academic environment.

Required courses:		
Students must take at least two courses from the following list:		
NCWFP 40	Teacher's Aide Training - The Basics	24-27
NCWFP 41	Teacher's Aide Training - Educational Technologies	24-27
NCWFP 42	Teacher's Aide Training - Special Education	24-27
Total Hours		48-54

Short-Term Vocational Courses

NCAHM 50: Introduction to Affordable Housing Management
Prerequisites: None
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring

This course introduces students to property management and leadership with an emphasis on affordable housing and multi-family properties. Students learn about the laws and regulations that govern affordable housing to prepare them for the day-to-day duties of a property manager. They also complete a combination of coursework and activities modeling real-world scenarios. In partnership with current and former industry professionals serving as volunteer mentors, students begin building practical skills necessary to successfully manage a multi-family property.

NCAHM 51: Emerging Leaders in Affordable Housing Management
Prerequisites: NCAHM 50
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course expands on the skills learned in Introduction to Affordable Housing Management. It prepares students to complete financial reports and documents common for property managers, develop effective relationships with various stakeholders, and demonstrate advanced leadership and problem-solving strategies through an active mentorship with an industry professional.

NCBOT 20: Specialized Documents for Business
Prerequisites: None
Advisory: NCBOT 10, NCVOC 31, or have a current typing speed of at least 25 wpm.
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

Students apply best practices of a word processing application while composing, reviewing, and formatting a variety of documents used in business settings. They complete various types of correspondence, reports, tables, proposals, legal templates, newsletters, mail merge, and electronic messaging. This course is designed to provide workplace simulations using proper business document communication, design, and formatting.

NCBOT 30: Office Skills and Procedures
Prerequisites: None
Advisory: NCBOT 10
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course emphasizes the practical skills needed for working in a modern business office. Students learn office support, communication, and problem-solving skills, including how to manage files, records, and financial accounts, process business documents, and communicate effectively with clients, customers, and coworkers. Students also learn how to plan and coordinate business travel arrangements.

NCHORT 5: Garden Planting and Maintenance
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This noncredit horticulture course provides students with lessons and activities in basic skills and safety procedures used in lawn maintenance, tree and shrub pruning, basic irrigation repair, and weed control strategies. Students also examine examples of well-planned gardens, recognize and implement a simple garden plan, maintain garden areas, and participate in the propagation of garden plants to fulfill landscape and garden goals.

NCNUR 185: Nursing Skills/Simulation Laboratory I
Prerequisites: Students must be accepted for re-entry into the ADN, LVN, or LVN-RN programs.
Enrollment Limitation: Concurrently enrolled in NURS 170, NURS 171, NURS 180, NURS 181, or NURS 280 if prerequisite not met.
Laboratory 3 hours.
Course Typically Offered: Fall, Spring, and Summer

This course provides students with the opportunity to apply related theoretical concepts with supervised practice of fundamental patient care skills and procedures that are presented in beginning nursing courses. Topics include the nursing process, patient assessment, fundamental nursing skills, and medication administration. This course is intended for beginning nursing students in the Associate Degree Nursing (ADN) Program, Licensed Vocational Nursing Program (LVN), and LVN-RN Nursing Program. This course is also open to accepted re-entry students who need to remediate skills prior to returning to the nursing program.

NCNUR 186: Nursing Skills/Simulation Laboratory II
Prerequisites: None
Corequisite: NURS 182 or NURS 183.
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides students with the opportunity to apply related theoretical concepts with supervised practice of patient care skills and procedures related to specialty patient populations. Topics include the nursing process, patient assessment, intermediate nursing skills, and medication administration. This course is intended for nursing students in the Associate Degree Nursing (ADN) and LVN-RN nursing programs.

NCNUR 285: Nursing Skills/Simulation Laboratory III
Prerequisites: None
Corequisite: NURS 281 or NURS 282.
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides students with the opportunity to apply related theoretical concepts with supervised practice of patient care skills and procedures for patients across the lifespan. Topics include the nursing process, patient assessment, advanced nursing skills, and medication administration. This course is intended for nursing students in the Associate Degree Nursing (ADN) and LVN-RN nursing programs.

NCNUR 286: Nursing Skills/Simulation Laboratory IV
Prerequisites: None
Corequisite: NURS 283.
Laboratory 3 hours.
Course Typically Offered: Fall, Spring

This course provides students with the opportunity to apply related theoretical concepts with supervised practice of patient care skills and procedures for critically ill patients. Topics include the nursing process, patient assessment, critical care nursing skills, and medication administration. This course is intended for nursing students in the Associate Degree Nursing (ADN) and LVN-RN Nursing Programs.

NCVOC 31: Beginning Microsoft Word
Prerequisites: None
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to word processing using basic formatting tools and features of Microsoft Word to create various business and personal documents such as letters, reports, and flyers. This course is one of two that leads to a Certificate of Completion in Computer Applications - Microsoft Word.

NCVOC 32: Intermediate Microsoft Word
Prerequisites: None
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is a continuation of the skills taught in Beginning Microsoft Word. Students explore the many shortcuts and document formatting tools of Microsoft Word including mail merge, templates, advanced tables, and importing information from other applications. This course is the second in a series that leads to a Certificate of Completion in Computer Applications - Microsoft Word.

NCVOC 33: Basic Google Apps
Prerequisites: None
Advisory: NCVOC 38 and/or NCESL 82. Students should have basic computer skills to be successful in the class.
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course offers an introduction to the basic features of three Google apps: Gmail, Docs, and Slides. Students practice creating documents and presentations that mirror academic and workplace tasks in three of the most commonly used Google apps.

NCVOC 34: Intermediate Google Apps
Prerequisites: None
Advisory: NCVOC 38 and/or NCESL 82. Students should have basic computer skills to be successful in the class.
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course offers an introduction to the basic features of three Google apps: Google Sheets, Google Forms, and Google Calendar. Students practice creating spreadsheets and surveys that mirror academic and workplace tasks in these three commonly used Google apps.

NCVOC 37: Microsoft Powerpoint
Prerequisites: None
Lecture 1.50 hours.
Course Typically Offered: Fall

This course introduces students to PowerPoint. Students develop an understanding of how to create an effective PowerPoint presentation. The course emphasizes developing a presentation that includes title slide, table of contents, sound, animation, graphics, and transitions. Previous experience using computers is recommended.

NCVOC 38: Computer Basics/Keyboarding
Prerequisites: None
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to the Windows environment as well as to computer terminology, hardware, and software. Students develop skills in creating and saving files; learn basic Internet definitions, and navigate using several web browsers. Students also learn fundamental keyboarding skills. No previous computer skills are required.

NCVOC 39: Beginning Microsoft Excel
Prerequisites: None
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course introduces students to Microsoft Excel and the ability to create, format, and use formulas and chart tools to create professional business worksheets and reports that can be updated efficiently. This course is one of two that leads to a Certificate of Completion in Computer Applications - Microsoft Excel.

NCVOC 40: Intermediate Microsoft Excel
Prerequisites: None
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is a continuation of the skills taught in Beginning Microsoft Excel and is intended for students to further their knowledge in Microsoft Excel, the industry standard. This comprehensive course includes more advanced features of Excel, such as pivot tables, what-if analysis, three-dimensional worksheets, goal seek, and collaborative tools. This course is the second of two that leads to a Certificate of Completion in Microsoft Excel. Previous experience using Microsoft Excel or completion of Beginning Microsoft Excel is recommended.

NCVOC 50: Basic Auto Maintenance
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

This course covers the basic theory and operation of the internal combustion engine, including fuel, cooling, and ignition systems. It also introduces students to the fundamentals of tailpipe emissions and emission controls. At the end of this course, students will have the knowledge to perform a vehicle inspection and basic service on their own vehicles including tires, batteries, brakes, and fluid services.

Workforce Preparation Courses

NCWFP 11: Applied Computer Skills
Prerequisites: None
Lecture 3 hours.
Course Typically Offered: Fall, Spring

In this course, students develop essential computer and information technology skills for workplace and educational success. Students develop skills in using word processing software and in integrating several Microsoft applications. Students access, evaluate, and utilize information resources using the Internet and web browsers, and they get experience with a learning management system. Previous experience using computers, or completion of NCVOC 38 Computer Basics/ Keyboarding class, is recommended.

NCWFP 21: Employability Skills
Prerequisites: None
Lecture 6 hours.
Course Typically Offered: Fall, Spring, and Summer

This course provides students with fundamental job exploration and workplace readiness skills. It covers topics related to personal career profile, preferred occupations, the job search process, professional image, accommodation needs, transportation, local support agencies, and workplace communication and behavioral norms.

NCWFP 22: Communication in the Workplace
Prerequisites: None
Lecture 1 hour.
Course Typically Offered: Fall, Spring, and Summer

Students learn workplace communication fundamentals, including active listening, making positive first impressions, understanding body language, and communicating with different personality types.

NCWFP 23: Social and Diversity Awareness in the Workplace
Prerequisites: None
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

Students develop an introductory understanding of the varying types of diversity in the workplace, including gender, sexual orientation, ethnicity, age, and disability. The course includes reflections on individual privilege and how that may exhibit itself in the workplace. It explores cultural, physical, and generational differences among employees, with an emphasis on their distinct advantages to the modern workplace.

NCWFP 24: Time Management and Goal Setting
Prerequisites: None
Lecture 1 hour.
Course Typically Offered: Fall, Spring, and Summer

Students gain practical skills in effectively managing their time on work-based projects and creating SMART goals with attainable outcomes.

NCWFP 25: Teamwork and Collaboration
Prerequisites: None
Lecture 1 hour.
Course Typically Offered: Fall, Spring, and Summer

Students learn how to work effectively, collaboratively, and efficiently with coworkers to accomplish workplace tasks.

NCWFP 30: Money Smart
Prerequisites: None
Lecture 2.50 hours.
Course Typically Offered: Fall, Spring

This noncredit course introduces students to essential financial literacy and personal banking skills. Topics covered include identifying and counting currency, developing budgets, banking services, making purchases, and consumer awareness. The course emphasizes practical money management strategies to promote independent living.

NCWFP 40: Teacher's Aide Training - The Basics
Prerequisites: None
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is one of three teacher's aide training courses designed to provide job seekers and/or current professionals with a well-rounded education on the duties of today's instructional aide/paraprofessional. Students use this course to learn, retrain, or improve their knowledge of the basics skills needed to support a lead teacher in a K-12 and/or adult education environment. Students also take this course to improve their resumes and/or as pathway to courses and programs in the areas of child development, education, and/or special education.

NCWFP 41: Teacher's Aide Training - Educational Technologies
Prerequisites: None
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is one of three teacher's aide training courses designed to provide job seekers and/or current professionals with a well-rounded education on the duties of today's instructional aide/paraprofessional. The course focuses specifically on the roles and responsibilities of an instructional aide supporting students using a variety of educational technologies. Students may also take this course to improve their resumes and/or as a pathway to courses and programs in the areas of child development, education, and/or special education.

NCWFP 42: Teacher's Aide Training - Special Education
Prerequisites: None
Lecture 1.50 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is one of three teacher's aide Training courses designed to provide job seekers and/or current professionals with a well-rounded education on the duties of today's instructional aide/paraprofessional. The course focuses specifically on the roles and responsibilities of an instructional aide supporting students with special education needs in both general education (inclusive) and special education classroom environments.

NCWKEX 10: General Work Experience Education-Non Credit
Prerequisites: None
Laboratory 42 hours.
Course Typically Offered: Fall, Spring, and Summer

This course is intended for students who are employed in a job not directly related to their major or career area of interest. 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 must develop new learning objectives and/or work/intern at a new site upon each enrollment.

Community Education & Workforce Development

About Community Education

Community Education offers classes and programs that provide community members with opportunities to learn, grow, and develop.

Community Education classes are available to anyone who registers online or with the Community Education office. You do not need to be a credit student. Classes offered through Community Education are not funded with tax dollars. Enrollment fees keep this valuable program going. For more information, please visit the Community Education webpage (https://www.miracosta.edu/academics/community-education-and-workforce-development/).

Work Skills and Certification Training

MiraCosta provides a wide selection of accelerated, hands-on job training in advanced manufacturing, engineering, emerging technologies, healthcare. skilled trades, and professional development training. Graduates find it easy to jump right into jobs using the skills they have learned or to receive higher wages in their current jobs due to an increase in skill level. Scholarships and financial aid are available. More information is available on the Work Skills and Certification Training webpage (https://commed.miracosta.edu/public/category/programArea.do?method=load&selectedProgramAreaId=1016641).

Enrichment Classes

Life-long learning and professional growth classes are available each semester at an affordable price to help enhance confidence, skills, and enjoyment of life. Explore and upskill in the latest trends in arts, computers, cooking, finance, and more! Classes are listed in the Community Education Class Schedule and on the Enrichment webpage (https://commed.miracosta.edu/public/category/programArea.do?method=load&selectedProgramAreaId=1016636).

College for Kids

Kids can build video games and apps, launch rockets, explore healthcare careers, learn cooking techniques from master chefs, or discover the secrets of Hogwarts. Information about this summer program is available on the College for Kids webpage (https://www.miracosta.edu/academics/community-education-and-workforce-development/college-for-kids-youth-academy/).

Employee Training Solutions

MiraCosta provides customized business training to meet the requirements of both growing and established employee-training and management-development programs. The MiraCosta College Office of Contract Education and Training specializes in designing and delivering appropriate and comprehensive customized programs to meet companies' specific training and education needs. More information is available on the Employee Training Solutions webpage (https://www.miracosta.edu/academics/community-education-and-workforce-development/employee-training-center/).

Driver's Education

Obtain your California driver's license with classroom or online education and behind-the-wheel driver's training. Enrollment information is available on the Driver's Education webpage (https://www.miracosta.edu/academics/community-education-and-workforce-development/drivers-education-behind-the-wheel-training/).

Contact Information

http://commed.miracosta.edu

Department: Community Education and Workforce Development
Office: Technology Career Institute (TCI), 760.795.6820

Academic Standards & Policies

Academic Freedom

District Policy

The MiraCosta College Community College District recognizes the free pursuit of knowledge and the free exchange of ideas as core tenets of academic freedom.

As a fundamental concept, academic freedom ensures institutions of higher education function for the common good and are constructed on a foundation of genuine trust. It represents an understanding of mutual respect in valuing how faculty and students engage in conversations and learning. The district superintendent/president and Board of Trustees will actively and openly work toward fostering an environment characterized by openness, tolerance, and civility and an atmosphere in which intellectual freedom exists and is protected for all constituencies, including faculty and students.

Academic freedom must always be accompanied by academic responsibility. This responsibility emphasizes the obligation to examine, test, and interpret all knowledge appropriate to a discipline or major area of study, to avoid bias on controversial topics, and to present conclusions and interpretations supported by evidence with consideration for the impact on students and colleagues. Employees and students should at all times strive for accuracy and engage in respectful discourse, especially when opinions differ. All constituencies must be mindful of the district's policies on ethical conduct (BP 3050), diversity, equity, and inclusion (BP 3400), non-discrimination (BP 3410), and equal opportunity (BP 3420).

To promote and support the intellectual, socioeconomic, and socioemotional growth of students, all faculty require the assurances and protections academic freedom affords. Academic decisions should be based solely on intellectual standards that are relevant to the subject matter under consideration and consistent with the institution's mission and core values. Neither students nor faculty shall be disadvantaged or evaluated on the basis of their views and perspectives. The district will defend and support any tenured or untenured faculty member who, while maintaining the high standards of the profession, finds their freedom of expression attacked or curtailed.

In the classroom context, both virtual and in person, faculty are expected to present data and information fairly and objectively, to ensure students have access to varying points of view, and to acknowledge and defend the free inquiry of students in the exchange of criticism and ideas. Academic freedom gives students the right to express and to defend their views, to question, and to differ with the views of their instructors or the district without penalty. Academic freedom gives faculty the right to distinguish between personal conviction and professionally accepted views in a discipline and to interpret their fields and communicate conclusions without interference or penalty.

Outside of the classroom setting, faculty have the right to research, present, and publish without interference or sanction, subject to the adequate performance of their other academic duties. Research for financial gain shall be based upon an understanding with the MiraCosta Community College District as outlined in Board Policy/Administrative Procedure 3715: Intellectual Property. When faculty speak or write as citizens, authorities of their discipline, and community representatives of MiraCosta College, they should be free from institutional censorship or discipline, but this freedom carries with it a responsibility to at all times be accurate, exercise appropriate restraint, show respect for the opinions of others, and make every effort to indicate they are not speaking on behalf of the institution.

(Source: MCCD Board Policy 4030. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*).)*

Academic Integrity & Appeal Process

Academic Integrity

MiraCosta College highly values academic integrity. At the core, this means producing an honest representation of one's own work. MiraCosta College also promotes the approach that education is best accomplished as a cooperative, collaborative enterprise in which students are encouraged to work with and learn from each other. The line between academic integrity and collaborative education is not always easy to define and may vary from one discipline to the next and from one instructor to the next. Many aspects of cheating and plagiarism are universally recognized, while others are subject to debate.

Board Policy 5505: Academic Integrity provides general guidelines that outline common definitions of academic dishonesty and affirms the right of instructors to employ more detailed academic integrity policies according to their preferences and practices when teaching their respective courses. Faculty are strongly encouraged to outline their policies on their course syllabus. Students are encouraged to review each course syllabus to understand the academic integrity policies of the faculty and course.

Examples of academic dishonesty include, but are not limited to, the following:

1. Cheating: Copying work or using unauthorized aids, including but not limited to technology such as cell phones or watches, during an examination, quiz, or assignment.
2. Plagiarizing: Copying work or ideas, including but not limited to the use of unauthorized electronic aids, and misrepresenting them as one's own.
3. Falsification: Making up fictitious information and presenting it as factual or altering records for the purpose of misrepresentation.
4. Facilitation: Helping another student to cheat, plagiarize, or falsify information. Some examples include writing a paper for another student, sharing work where it may be searched and submitted by others, referring a student to those sources, or knowingly allowing a student to copy your own work.

There are two areas that address concerns about behavior that may be deemed a violation of academic integrity. These areas are: (1) faculty-initiated remedies and (2) referrals to the Office of Student Affairs to address alleged violations of Administrative Procedure 5500: Standards of Student Conduct.

1. Faculty-initiated remedies for violations of academic integrity may include a verbal warning, a lowered assignment grade, and/or submission of an academic integrity report to the Office of Student Affairs. Instructors may consult with the dean of Student Affairs or their designee to review appropriate remedies per state statutes and codes. Students have the right to appeal faculty-initiated remedies as outlined in Administrative Procedure 5505: Academic Integrity- Appeal Process.
2. Faculty are encouraged to submit reports of alleged violations of Administrative Procedure 5500: Standards of Student Conduct to the Office of Student Affairs. The Office of Student Affairs provides an educational experience for students when there are alleged violations of the Standards of Student Conduct to decrease the likelihood of recurrence. In particular, if the student has allegedly violated the Standards of Student Conduct before, the Office of Student Affairs may address alleged violations as outlined in Administrative Procedure 5520: Student Conduct Procedures.

See Administrative Procedure 5500: Standards of Student Conduct and Administrative Procedure 5520: Student Conduct Procedures for additional information.

Academic Integrity Appeal Process

MiraCosta College highly values academic integrity. As outlined in Board Policy 5505: Academic Integrity, students have the right to appeal a faculty-initiated academic integrity decision and/or remedy. This means that any student who is determined by a faculty member to have engaged in behavior that is deemed a violation of their academic integrity policy such as cheating, plagiarizing, falsification of information, or helping other students to cheat, etc., has the right to appeal a faculty member's decision and/or remedy (e.g., lowering of a grade as the result of behavior deemed a violation of the faculty member's academic integrity policy). Please note that this procedure is specific to faculty-initiated decisions and/or remedies in response to claims of academic integrity concerns. All appeal requests that involve decisions and/or resolutions determined by the Office of Student Affairs must follow the processes and conditions as outlined in Administrative Procedure 5520: Student Conduct Procedures.

The process to appeal a faculty decision (and/or remedy) is as follows:

1. Within ten (10) calendar days, the student may appeal the faculty member's action by submitting a written appeal request to the department chairperson via email. The written request should include a description of the alleged behavior in question, the faculty member's decision and/or remedy, detail what the student is specifically appealing (decision and/or remedy), and any information the student deems relevant. The department chairperson must respond to the student in writing via email within ten (10) calendar days of when the appeal was submitted with their decision. The chairperson's decision may be to uphold the faculty member's decision and/or remedy, to overturn the faculty member's decision and/or to modify the faculty member's decision and/or remedy.
2. If the student wishes to appeal the department chairperson's decision, the student may make a final written appeal via email to the vice president of Instructional Services within ten (10) calendar days of receiving the chairperson's decision. The vice president's decision is final and will be delivered to the student within ten (10) calendar days via email.
3. A successful appeal of a faculty member's determination that a student has been academically dishonest does not automatically change the final grade in the course. To appeal the final grade in a course, the student must follow the procedures outlined in Administrative Procedure 4231 on grade changes.

(Source: MCCD Board Policy and Administrative Procedure 5505. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage. *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*))*

Academic and Progress Notice & Separation Appeal Process

MiraCosta College is committed to fostering an environment that encourages and supports students in achieving their educational goals. It is expected that students enrolled in credit courses will actively strive to complete coursework with a passing grade. Students who do not make satisfactory progress are subject to Academic and Progress Notice or Separation, as outlined in the district's established policies and procedures.

Note: Students should contact the Financial Aid Office (https://www.miracosta.edu/student-services/financial-aid/) regarding Academic and Progress requirements for federal aid eligibility; different requirements may apply.

Academic and Progress Notice

Academic and Progress Notice policies apply to college credit students only.

- **Academic Notice–**A student shall be placed on academic notice if they have
  - attempted at least twelve (12) semester units with evaluative grades, and
  - earned a grade point average (GPA) of less than a 2.0.
- **Progress Notice–**A student shall be placed on progress notice if they
  - attempted a least twelve (12) semester units, and
  - received non-evaluative grades (withdrawal [W], incomplete [I], or no pass [NP]) in fifty (50) percent or more of those units.

Academic Notice and Progress Notice are calculated for the spring and fall semesters based on the student's enrollment after the deadline to drop without a withdrawal (W). Summer

grades are included in overall calculations for the spring and fall semesters. Academic Notice and Progress Notice are posted to the student's permanent record.

Admissions and Records shall make every reasonable effort to notify a student of Academic and/or Progress Notice in a timely manner. Upon notification of Academic and/or Progress Notice, the student shall be directed to see a counselor before the next registration period to discuss ways in which the student can improve their academic standing. Information on support services and appeal procedures will be included in the notification.

A student placed on Academic or Progress Notice may submit an appeal to the Committee on Exceptions.

Removal from Academic or Progress Notice

- **Academic Notice**–A student will be removed from Academic Notice when the student's cumulative grade point average is 2.0 or higher.
- **Progress Notice**–A student will be removed from Progress Notice when the percentage of withdrawal (W), incomplete (I), or no pass (NP) grades is less than fifty (50) percent of their total attempted units.

Removal from notice indicates that no Academic or Progress Notice notations will be recorded for the successful term, the status will update to Good Standing, but previous notations will remain on the record.

Academic and Progress Pause

- **Academic Pause**–A student will be subject to academic pause if
  - the student has been on Academic Notice for two consecutively enrolled semesters, and
  - their cumulative grade point average is less than 2.0.
- **Progress Pause**–A student will be subject to progress pause if
  - they have been on Progress Notice for two consecutive semesters, and
  - fifty (50) percent of their attempted units have grades of withdrawal (W), incomplete (I), or no pass (NP).

For the purpose of academic and progress pause, semesters are considered consecutive based on the student's enrollment after the deadline to drop without a "W" (withdrawal), as long as the break in enrollment does not exceed one full primary term. Summer intersession is not considered a consecutive term or semester. Academic and progress pause is recorded on the student's permanent record.

Notification of Academic and Progress Pause

Admissions and Records shall make a reasonable effort to notify a student of academic and progress separation in a timely manner.

Upon notification of separation, the student shall be directed to sit out for one regular semester, consult with a counselor to determine whether the reasons that led to the dismissal have been sufficiently corrected to enable improved performance and submit a new credit application upon return to the college if they sat out for two or more primary semesters. Information on support services and appeal procedures will be included in the notification.

Fall Pause

Special circumstances apply to separation after the fall semester because students enroll before fall grades are available.

- **Enrolled in spring:** Students on Academic or Progress Notice can continue without submitting an appeal. Separation status will be reviewed again at the end of the spring semester.
- **Not enrolled in spring:** Students must appeal by submitting a petition to the Committee on Exceptions. If they do not enroll and their petition is not approved, they will be separated.

Spring Pause

- **Enrolled in summer:** Students on Academic or Progress Notice can continue without submitting an appeal, but only for the summer session.
- **Enrolled in fall:** Students must appeal by submitting a petition to the Committee on Exceptions. If approved, they can continue on academic or progress notice for the fall semester. If not approved they will be removed from fall classes.

Restart Following Academic and Progress Pause

A student on academic or progress pause may restart when the student:

- does not attend for one primary semester (fall/spring) and
- consults with a counselor to determine whether the reasons that led to the academic or progress pause have been addressed to enable improved performance.

Students who believe they should be permitted to restart after being notified of Academic or Progress Pause must immediately petition the Committee on Exceptions. The student must clearly state the reasons for requesting continued enrollment on the petition.

The decision of the Committee on Exceptions will communicate its decision to the student via email. The student may appeal the decision of the Committee on Exceptions in writing to the vice president of Student Services or designee within thirty (30) calendar days of the date of notification of the decision of the Committee on Exceptions. The decision of the vice president is final.

If the Academic or Progress Pause appeal is approved, the student will continue on Academic or Progress Notice for an additional semester. At the end of the semester, the student's academic record will be evaluated to determine whether the student may be removed from Academic or Progress Notice, should be placed on Academic or Progress Pause, or should continue on Academic or Progress Notice.

Committee on Exceptions

The Committee on Exceptions deals with the occasional need to deviate from policy or procedure (e.g., course repetition, retroactive withdrawal, excused withdrawal, retroactive drop,

academic and/or progress reinstatement). In cases where students feel that such a deviation can be justified by verified extenuating circumstances, they may petition to the Committee on Exceptions within three years when a course is involved and should contain at least the following:

- Clear statement of why the committee should feel compelled to grant the request.
- Documentation of extenuating circumstances.

The Committee on Exceptions is composed of the dean of Counseling and Student Development, chair, the director of Admissions and Records, a Counseling faculty, and additional faculty representatives as assigned.

A student who is subject to Academic or Progress Separation may submit a petition to the Committee on Exceptions in compliance with administrative procedures. Academic and Progress Separation may be postponed and the student will continue on Academic or Progress Notice if the student shows evidence of extenuating circumstances or shows significant improvement in academic achievement.

Students requesting a grade change from one evaluative symbol to another should first attempt to discuss the request informally with the instructor within 60 instructional days and if not resolved satisfactorily, escalate the request as outlined in MCCD Administrative Procedure 4231.

(Sources: MCCD Administrative Procedures 4250 and 4255. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*).)*

Academic Renewal

Academic Renewal Procedures

Academic renewal allows up to thirty (30) units of substandard coursework to be excluded from a student's grade point average if it is no longer reflective of a student's demonstrated ability.

To be eligible for academic renewal, students must meet all of the following requirements:

- Completed a minimum of 6 units after the coursework they wish to exclude.
- Earned a minimum of a cumulative GPA of a 2.0 (on a 4.0 scale) in those 6 or more units completed after the coursework they wish to exclude. Coursework from a regionally accredited institution may be used to meet the unit or 2.0 GPA requirement but is not required.
- At least one semester or session must have passed since completion of the coursework being petitioned for exclusion.

Students may request academic renewal multiple times for a maximum of 30 units. Academic renewal may not be used to alleviate a course used to earn a degree or certificate, or to alleviate a passing grade of a "C" or better, or to alleviate the non-evaluative symbols "I, IP, W, EW".

Students must meet with a counselor and secure the counselor's signature before submitting their academic renewal petition to an Academic Records Evaluator. Students should consult with the Financial Aid Office or Veterans Services to understand the potential impact of academic renewal on aid eligibility.

Academic renewal is final and cannot be reversed. Excluded units remain on the record and are annotated as academic renewal. All coursework remains legible on the permanent academic record to ensure 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 *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*).)*

Alcohol, Drugs & Smoking on Campus

Drug-Free Environment

The district is committed to providing its employees, students, student workers, and volunteers with a drug free workplace and campus environment. It emphasizes prevention and intervention through education.

Health Services provides confidential mental health counseling for students who have questions or concerns about their use of alcohol or use of other substances, referral to community resources such as alcohol and drug treatment, as well as smoking-cessation information and referral.

Prohibition of Drugs and Alcohol

The unlawful manufacture, distribution, dispensing, possession, or use of alcohol or any controlled substance is prohibited on district property, during district-sponsored field trips, activities or workshops, and in any facility or vehicle operated by the district, except as permitted in Administrative Procedure 3560, Alcoholic Beverages.

Violation of this prohibition will result in appropriate action up to and including termination of employment, student conduct processes, and referral for prosecution, or, as permitted by law, may require satisfactory participation in an alcohol- or drug-abuse-assistance or rehabilitation program.

As a condition of employment, employees must notify the district within ten (10) calendar days of any conviction for violating a criminal drug statute while in the workplace. The district is required to inform any agencies that require this drug-free policy within ten (10) calendar days after receiving notice of a workplace drug conviction.

Smoking on Campus

MiraCosta College is a tobacco/smoke/vapor-free institution. Smoking or the use of any tobacco product is prohibited

at all campus sites. Students, employees, and visitors to the campuses of MiraCosta College are permitted to use tobacco products and/or vapor-producing implements in their personal vehicles only. Because MiraCosta College is committed to providing a safe and healthy working and learning environment for all students, faculty, employees and visitors, smoking or the use of any tobacco product is prohibited at all campus sites. The use of electronic cigarettes or other vapor-producing implements is also prohibited.

(Sources: 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 *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*).)*

Attendance

Students are required to attend the first class meeting and arrive on time or they may be dropped from the class. Students taking online courses should log in to the course on the first day of class. Directions for logging in are located on the Online Education webpage (https://www.miracosta.edu/academics/online-education/).

Instructor Drops

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 may continue to drop students through the seventy-five (75) percent point of the course. A student who does not take responsibility for dropping a class may receive an "F" as a final grade.

Students who choose to drop a class are responsible for doing so using the SURF online registration system or in person at the Welcome Center.

(Source: MCCD Administrative Procedure 5075. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*).)*

Catalog Rights

District Policy

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

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

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

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

Complaints

MiraCosta Community College District employees make every effort to serve their community courteously and efficiently while acting in accordance with district policies and state and federal laws. Individuals dissatisfied with a campus policy or the conduct of a college employee may bring a concern to the attention of the appropriate faculty, staff, or administrator at any time. Concerns should be addressed at the level where the incident occurred before escalation to the level of a complaint.

Types of Complaints

Any student who believes a decision or action by an instructor, a college official, or another student has adversely affected their **status, rights, or privileges as a student** should follow the procedures described on the Student Rights & Grievances (p. 398) page and in Administrative Procedure 5530, which is available on the Board Policies and Administrative Procedures webpage (https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html).

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. 384) page as well as in Administrative Procedure 3435, which is available on the Board of Trustees website.

For grievances related to **sexual harassment**, **sexual assault**, and **physical abuse**, students may connect with a Title IX coordinator or deputy Title IX coordinator or may complete a CARE Referral Form (https://cm.maxient.com/reportingform.php?MiracostaCollege&layout_id=1) to request that a Title IX team member contact them. The Title IX coordinator, or deputy Title IX coordinator, will assist students with resolution processes and support available to them. Staff members in those areas will assist students with the correct processes for resolution.

Complaint and investigation policies and procedures related to harassment and discrimination (including sexual assault, sexual violence, dating violence, stalking, and domestic violence) can be found in the following board policy and administrative procedures:

- Board Policy 3433: Prohibition of Sexual Harassment under Title IX
- Administrative Procedure 3433: Prohibition of Sexual Harassment under Title IX
- Administrative Procedure 3434: Responding to Harassment under Title IX
- Administrative Procedure 3435: Discrimination and Harassment Complaints and Investigations.

Separately, students are also welcome to report concerns to the MiraCosta College Police Department if they are seeking police assistance.

Additional Resources

For formal complaints regarding MiraCosta College's compliance with academic program quality and accrediting standards, please visit the Accrediting Commission for Community and Junior Colleges (Western Association of Schools and Colleges) website. (https://accjc.org/complaint-process/)

For formal complaints about one of MiraCosta's specialized academic programs (Registered Nursing, Licensed Vocational Nursing, Certified Nursing Assistant, or Adult High School), please see the Accreditation (p. 4) page for contact information.

Course Repetition

Course Enrollment and Course Repetition

"Course enrollment" occurs when a student receives an evaluative (A, B, C, D, F, P, NP) or non-evaluative (I, IP, RD, W, EW, MW) symbol for a course. Satisfactory grades (A, B, C, and P) are related to successful completion of a course, while substandard grades are less-than-satisfactory or failing (D, F, NP). A student may withdraw and receive a "W" symbol on their record for enrollment in the same course no more than three times (AP 5075). Enrollments include any combination of withdrawals and repetition. Non-evaluative grades of EW and MW are neither be counted toward the permitted number of withdrawals nor counted as an enrollment attempt.

"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 of credit courses, including work experience education and internship studies, to occur only under the following circumstances.

The Course Has Been Designated as Repeatable

If a course is designated as repeatable in its catalog description, then it meets one of the following criteria:

- It is a major preparation course for which a UC or CSU campus requires a specific unit amount.
- It is either an intercollegiate athletics course in which a student athlete is registered to participate in an organized competitive sport sponsored by the district or a physical conditioning course that supports it.
- It is an intercollegiate academic or vocational competition course that is sanctioned by a formal collegiate or industry governing body.

When a course is repeated under the Repeatable Course provision, the grade received each time shall be included for purposes of calculating the student's grade point average.

Repetition to Alleviate Substandard Coursework

Students may repeat a non-repeatable course in which they earned a substandard or nonevaluative grade (D, F, NP, W).

- If a student repeats a course once and earns a satisfactory grade, no additional repetition is permitted under this provision.
- If the student repeats the course for the second time and receives another substandard grade or W, they may enroll one final time.
- If a student earns a substandard grade after two repetitions, no further repetition is permitted.

The student must petition the Committee on Exceptions for consideration of any additional attempts.

Upon each repetition of a course to alleviate substandard coursework, the most recent evaluative grade earned will be computed in the student's cumulative grade-point average and annotated on the student's permanent academic record.

A student may alleviate up to two substandard grades for repetition of a repeatable course provided that no additional enrollments are permitted beyond the four-enrollment maximum established for repeatable courses.

In determining transfer of a student's credits, MiraCosta College will honor similar, prior course repetition actions by other accredited colleges and universities.

Repetition to Meet a Legally Mandated Training Requirement

A student may petition the Committee on Exceptions to repeat a course if legally mandated.

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 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 for the repeated class will reflect on the student's transcript but will not earn units and the course will be average in the GPA calculation .

Repetition Due to Significant Lapse of Time/ Recency

Students may petition to the Committee on Exceptions to repeat a course in which they earned a satisfactory grade if it has been at least 36 months since the student took the course and one of the following:

- The district has established a recency prerequisite for a course or program.
- An institution of higher education to which the student seeks to transfer has established a recency requirement that the student will not be able to satisfy without repeating the course.

Students must petition the Committee on Exceptions with supporting documentation as appropriate when petitioning for repetition due to a significant lapse of time. Grades awarded for courses repeated under the repetition due to significant lapse of time provision will replace the prior course in calculating a student's grade-point average.

Repetition Due to Extenuating, Emergency, or Extraordinary Circumstances

A student may petition 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, emergency, or extraordinary 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.

The grade received for the repeated class will reflect on the student's transcript and the previous graded attempt (if applicable) will be excluded. It will still reflect on the student's transcript but will not be calculated in the GPA.

Repetition of Special Classes for Students with Disabilities

A student may repeat a special class for students with disabilities any number of times based on an individualized determination that such repetition is required as a disability-related accommodation for that particular student for one of the following reasons:

- The student's continuing success in other general and/or special classes is dependent on additional repetitions of a specific special class.
- The student needs additional repetitions of a specific special class as preparation for registration into other regular or special classes.
- The student has an educational plan 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.

Enrollment in Work Experience Education and Internship Studies

Students may earn a maximum of 14 units during one enrollment period (semester or summer session) in work experience education and internship studies courses. (For more information, please see Work Experience Education (p. 64).)

(Source: MCCD Board Policy/Administrative Procedure 4225. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*).)*

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 national origin, immigration status, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, pregnancy, physical or mental disability, or veteran status, or because they are perceived to have one or more of the foregoing characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

All courses, including noncredit classes, shall be conducted without regard to the gender of the student enrolled in the classes. As defined in the Penal Code, "gender" means sex and includes a person's gender identity and gender-related appearance and behavior whether or not stereotypically associated with the person's assigned sex at birth.

The district shall not prohibit any student from enrolling in any class or course on the basis of gender.

Academic staff, including but not limited to counselors, instructors, and administrators, shall not offer program guidance to students that differs on the basis of gender. Insofar as practicable, the district shall offer opportunities for participation in athletics equally to male and female students.

The superintendent/president shall establish administrative procedures that ensure all members of the college community can present complaints regarding alleged violations of this policy and have their complaints heard in accordance with the Title 5 regulations and those of other agencies that administer state and federal laws regarding nondiscrimination. (See Harassment & Unlawful Discrimination (p. 384) and Student Rights & Grievances (p. 398).)

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 national origin, religion, age, gender, gender identity, gender expression, race or ethnicity, color, medical condition, genetic information, ancestry, sexual orientation, marital status, physical or mental disability, pregnancy, physical or mental disability, accent, citizenship status, ethnic group identification, economic status, or veteran status, or on the basis of these perceived characteristics, or based on association with a person or group with one or more of these actual or perceived characteristics.

The district will strive to achieve a workforce that is welcoming to men, women, persons with disabilities, and individuals from all ethnic and other groups to ensure the district provides an inclusive educational and employment environment. Such an environment fosters cooperation, acceptance, democracy, and free expression of ideas. Board Policy and Administrative Procedure 3420 address the plan that is maintained to ensure the implementation of equal employment opportunity principles that conform to federal and state laws.

All employment decisions, including but not limited to hiring, retention, assignment, transfer, evaluation, dismissal, compensation, and advancement for all position classifications shall be based on job-related criteria as well as be responsive to the district's needs. The district shall from time to time as necessary provide professional and staff development activities and training to promote understanding of diversity.

(Source: MCCD Board Policy/Administrative Procedure 3410. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*).)*

Freedom of Speech

District Policy

At MiraCosta College, we are deeply committed to fostering an environment that supports the rights of students, employees, and community members to engage in free speech and expression. This commitment is grounded in our adherence to federal, state, and local laws and the policies and procedures (Board Policy 3900) established by the MiraCosta Community College District.

MiraCosta Community College District is an inclusive and diverse academic community that promotes the expansion of ideas and promotes greater understanding through civil discourse. As stated in Board Policy 3430 Prohibition of Harassment, the district is committed to providing an academic and work environment that respects the dignity of individuals and groups, and the district does not condone hate speech that is meant to intimidate or harass others in a manner that prevents their full participation in the educational and work environment.

The college and facilities of the district are nonpublic forums, with the exception of publicly accessible locations and areas where free-speech activity is unlikely to significantly interfere with and/or disrupt college operations, which shall be deemed limited public forums. The superintendent/president shall enact such administrative procedures as are necessary to reasonably regulate the time, place, and manner of the exercise of free expression.

The administrative procedures promulgated by the superintendent/president shall not prohibit the right of students and employees of the district and members of the public to exercise free expression, including but not limited to the use of bulletin boards, the distribution of printed materials or petitions in those parts of the college designated as areas generally available to students and the community, and the wearing of buttons, badges, or other insignia.

Speech shall be prohibited that is defamatory, obscene according to current legal standards, or that so incites others as to create a clear and present danger of the commission of unlawful acts on district property or the violation of district policies or procedures, or the substantial disruption of the orderly operation of the district.

Nothing in this policy shall prohibit the regulation of hate violence directed at students in a manner that denies their full participation in the educational process (Education Code §66301(e)), so long as the regulation conforms to the requirements of the First Amendment to the United States Constitution, §2 of Article 1 of the California Constitution, and MiraCosta Community College District Board Policy/Administrative Procedure 5500: Standards of Student Conduct. Students may be engaged in the Student Conduct process for harassment, threats, or intimidation unless such speech is constitutionally protected.

**All MiraCosta College board policies and administrative procedures are located on the* Board of Trustees webpage *(*https://www.miracosta.edu/office-of-the-president/board-of-

trustees/board-policies-and-administrative-procedures.html). *Additional guidance and frequently asked questions about free speech are located on the* Free Speech and Expression webpage *(*https://www.miracosta.edu/student-services/bias-education-support-team/free-speech.html*).*

Grades & Grading Policies

Academic Record Symbols

Evaluative Symbols

Symbol	Definition	Grade Points
A	Excellent	4.0
B	Good	3.0
C	Satisfactory	2.0
D	Less than satisfactory	1.0
F	Failing	0.0
P	Passing (at least satisfactory)	
NP	No Pass (less than satisfactory or failing)	
SP	Satisfactory Progress - Noncredit courses only	

Pass/No Pass

Courses may be offered in either or both of the following categories:

- Courses in which all students are evaluated on a "pass/no pass" (P/NP) basis.
- Courses in which each student may elect at the time of registration, or until the last day of instruction by submitting a petition 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. 375).)

Non-Evaluative Symbols

Symbol	Definition
I	Incomplete
IP	In Progress
RD	Report Delayed
W	Withdrawal
EW	Excused Withdrawal
MW	Military Withdrawal

Incomplete (I)

The "I" symbol may be used to denote incomplete academic work due to unforeseeable, emergency, and justifiable reasons. This option is available at the end of the term, but only after the seventy-five (75) percent or withdrawal (W) deadline of a course has passed. The student must demonstrate active participation and completion of required coursework up to the aforementioned threshold to be eligible for consideration.

The following documentation shall be maintained by Admissions and Records:

- The condition for the removal of the "I" symbol shall be stated by the instructor.
- The letter grade to be assigned when the stipulated work has been completed and/or the letter grade to be assigned if the work has not been completed within the designated time limit.

The "I" symbol may be made up no later than one year following the end of the term in which it was assigned.

The "I" symbol shall not be used in calculating grade point average.

In Progress (IP)

The "IP" symbol shall be used only in courses that extend beyond the normal end of an academic term. It indicates that work is "in progress" but that 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. If a student enrolled in an "open-entry/open-exit" course is assigned an "IP" and does not re-enroll in the course during the subsequent term or session, the appropriate faculty will assign an evaluative symbol (grade) to be recorded on the student's permanent record for the course.

The "I" symbol shall not be used in calculating grade point average.

Report Delayed (RD)

The "RD" symbol may be assigned by the registrar only. It is to be used when there is a delay in reporting the grade of a student's due to circumstances beyond the control of a student. It is a temporary notation to be replaced by a permanent symbol as soon as possible.

The "RD" symbol shall not be used in calculating grade point average.

Withdrawal (W)

The "W" symbol may be used to denote withdrawal in accordance with the requirements of Title 5 section 55024. Withdrawal from a class or classes shall be authorized by the following condition:

- Students who withdraw from class between ten (10) percent and seventy-five (75) percent (see college calendar) of the course will have a "W" entered on their permanent record.

The "W" symbol shall not be used in calculating grade point average.

Excessive "W's" shall be used as factors in academic notice and separation procedures (section 55024 of Title 5 of the California Code of Regulations).

Excused Withdrawal (EW)

The "EW" symbol may be used to denote the withdrawal in accordance with Title 5 section 55024. An excused withdrawal "EW" occurs when a student is permitted to withdraw from a course(s) due to specific events beyond the control of the student affecting their ability to complete a course(s).

This grade shall not be counted in progress notice and progress separation calculations nor shall it be counted toward the permitted number of withdrawals or counted as an enrollment attempt.

The "EW" symbol shall not be used in calculating grade point average.

Military Withdrawal (MW)

Military withdrawal denotes withdrawal without penalty. This grade is not considered for progress notice. 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.

Grade Point Average

Grade point average, otherwise known as GPA, has important and far-reaching effects on a student's academic standing. Therefore, students should know how to calculate their GPA.

Calculating GPA

1. Add the total number of *graded units completed* (A, B, C, D, or F). **Note:** Courses offered or taken on a pass/no pass (P/NP) basis do not influence a student's GPA, but they may affect their financial aid.
2. Calculate the total number of *grade points* by multiplying the number of units the course is worth by the corresponding number of grade points earned as dictated by the grade received (reference the Evaluative Symbol table above). For example, a "C" in a 5-unit math course would be **5 (number of units) x 2 (grade points for "C" grade) = 10 points**
3. Continue in this manner for all letter-graded courses taken. Then add those numbers to get the total number of grade points completed.
4. The final step in calculating the GPA is to divide the total number of *grade points* by the total *letter-graded units*.

Example:

Course	Units	Grade	Grade Points
HIST 110	3.0	C	(3 x 2.0 =) 6.0
MATH 105	3.0	B	(3 x 3.0 =) 9.0
BIO 111	3.0	C	(3 x 2.0 =) 6.0
BIO 111L	1.0	D	(1 x 1.0 =) 1.0
CS 101	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 101 is not included in the GPA because it was taken P/NP.

Grade Changes

By law, the instructor is solely responsible for the grades assigned; no instructor may be directed to change a grade except in certain narrow circumstances authorized by the California Education Code §76224(a): "When grades are given for any course of instruction taught in a community college district, the grade given to each student shall be the grade determined by the instructor of the course and the determination of the student's grade by the instructor, in the absence of mistake, fraud, bad faith, or incompetency, shall be final."

When challenging a grade assigned by an instructor, the burden of proof is on the student to provide evidence of mistake, fraud, bad faith, or incompetence.

The removal or change of an incorrect grade from a student's record shall be done pursuant to California Education Code §76232 or by an alternative method that ensures each student shall be afforded an objective and reasonable review of the requested grade change. Whenever a grade is changed for any reason, corrected transcripts will be sent to any educational institution to which a student has submitted official transcripts that included the original grade.

Definition of Terms

- **Mistake**—An unintentional error such as a clerical error or an error made by the instructor in calculating a student's grade
- **Fraud**—A deliberate misrepresentation of the truth in order to secure unfair or unlawful gain
- **Bad faith**—An intentional or malicious act that infringes on the rights of someone else
- **Incompetence**—A lack of ability, qualification, fitness, or performance
- **Evaluative symbols**—A, B, C, D, F, P, NP, SP
- **Nonevaluative symbols**—I, IP, RD, W, EW, MW

Requesting a Change from an Evaluative Symbol to Another Evaluative Symbol

1. Students requesting a grade change from one evaluative symbol to another should first attempt to discuss the request informally with the instructor—in person or by email—within sixty (60) instructional days (excluding weekends and holidays) of the date when official grades are posted. If contact with the instructor is not possible because the instructor is not available, the student has filed a discrimination complaint, or the district determines there may have been gross misconduct by the original instructor, then the student should make initial contact with the appropriate department chair—in person or by email —within sixty (60) instructional days (excluding weekends and holidays) of the date when official grades are posted to discuss the grade-change request.

2. If the student's grade-change request is not resolved satisfactorily by contacting the instructor, the student should contact the appropriate department chair—in person or by email—within ten (10) instructional days (excluding weekends and holidays) after the student's discussion with the instructor. The department chair or their designee will investigate and address the student's request by email or letter within ten (10) instructional days.

3. If the student wishes to appeal the finding of the department chair or their designee, the student must make a request by email or by letter to the Academic Senate president within ten (10) instructional days (excluding weekends and holidays) of receipt of the department chair's or their designee's written notification.

    - Wherever possible, the instructor who first awarded the grade will be apprised of all evidence and given every opportunity to rebut the evidence or to submit a voluntary change of grade prior to the Academic Senate president's final decision.

    - In the case of fraud, bad faith, or incompetence, the final determination concerning removal or change of grade will be made by the Academic Senate president in consultation with the superintendent/president. In all cases, the instructor who first awarded the grade will be given written notice of the change.

4. The Academic Senate president will notify the student of a final decision within thirty (30) instructional days (excluding weekends and holidays) of receiving the appeal. If the Academic Senate president is directly involved in the grade-change request, then another full-time Academic Senate Council member will be chosen by lot to address and respond to the appeal in writing.

5. The written notification of the Academic Senate president's final decision will be copied to the superintendent/president in cases where no grade change is recommended.

Students and instructors wishing to change a grade after sixty (60) instructional days (excluding weekends and holidays) of the date when official grades are posted must submit their request in writing to the Committee on Exceptions. Such requests must be made within three years of the date when the grade was posted. The Committee on Exceptions will consult with the instructor of record, review deadlines, and examine extenuating circumstances. Approved changes will be submitted to the Admissions and Records Office through a grade change form approved by the instructor and chair of the Committee on Exceptions.

Requesting a Change from an Evaluative Symbol to a Nonevaluative Symbol

Students who request a grade change from an evaluative symbol to a "W" (Withdrawal) or "NR" (No Record) or from a "W" to an "EW" (Excused Withdrawal) must submit their request 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 year 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 *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*).)*

Sexual Harassment & Unlawful Discrimination

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. All harassment is contrary to the basic standards of conduct between individuals and an academic and work environment that respects the dignity of individuals and groups. Federal and state law, as

well as MiraCosta Community College policy and procedure, prohibits unlawful discrimination, including sexual harassment.

Violations of the policies below do not include conduct protected by the First Amendment or Academic Freedom. However, Freedom of Speech and Academic Freedom are not limitless, and this procedure will not protect speech or expressive conduct that violates federal or California anti-discrimination laws.

Sexual Harassment: Sexual Harassment under Title IX encompasses a broad range of sexual misconduct, including Quid Pro Quo Sexual Harassment, Hostile Environment Sexual Harassment, Sexual Assault, Dating and Domestic Violence, and Stalking.

Unlawful Discrimination: The District defines unlawful harassment as:

- 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, citizenship status, and military and veteran status. It also includes discrimination based on the perception that someone has 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.
- Non-Title IX Sexual Harassment

Harassment may be verbal, physical, visual, written, or environmental.

Retaliation: The district prohibits any intimidation, threats, coercion, or discrimination against any individual participating in or refusing to participate in, a complaint made in good faith or a corresponding process.

Consensual Relationships: Romantic or sexual relationships between a supervisor and their subordinate employee, any classroom faculty and a student enrolled in their class or working for them as a student employee under their supervision, and any faculty member and a student they are advising, are prohibited. Romantic or sexual relationships between a supervisor and employee, and any employee and a student, are discouraged.

Confidentiality of the Process

The District does not reveal information about complaints or corresponding processes, and will keep information confidential to the extent possible, except as necessary to fulfill its legal obligations, implement supportive measures or discipline, or as otherwise "needed-to-know" to ensure a fair, orderly, and thorough process.

Supportive Measures

Supportive measures are non-disciplinary, non-punitive individualized services offered free of charge to the Complainant or the Respondent regardless of whether a formal complaint has been filed. The district will provide the Complainant and Respondent with written options about supportive measures, available assistance, and how to request them. The district will provide such measures to Complainant and Respondent as appropriate and as reasonably available to restore or preserve equal access to the district's education program or activities. These measures are designed to protect the safety of all Parties, protect the district's educational environment, or deter sexual harassment. The district will provide supportive measures on a confidential basis and will not disclose that the district is providing supportive measures except to those with a need to know to enable the district to provide the service. Supportive measures may include changes to academic, living, transportation, and working situation or protective measures such as counseling, extensions of deadlines, other course-related adjustments, modifications of work or class schedules, campus escort services, mutual restrictions on contact between the Parties, changes in work schedules , leaves of absence, increased security and monitoring of certain areas of the campus, and other similar measures. Supportive services are also available to Complainants who are part of the MiraCosta campus community, even where the Respondent is not, to ensure members of the campus community are provided resources and supported.

When requested by a Complainant or otherwise determined to be appropriate, the district shall issue a no-contact order prohibiting the Respondent from contacting the Complainant during the investigation. The district shall not issue a mutual no-contact directive automatically but instead shall consider the specific circumstances of each report of sexual harassment to determine whether a mutual no contact directive is necessary or justifiable to protect a Party's safety or well-being, or to respond to interference with an investigation. If the district issues any no-contact directive, the district shall provide the Parties with an explanation of the terms of the directive, including the circumstances, if any, under which violation could be subject to disciplinary action. If the district issues a mutual no-contact directive, the district shall also provide the Parties with a written justification for the directive.

Reporting Options

Any person who has suffered harassment, discrimination, or retaliation, including individuals with legal authority on behalf of a student or employee, may file an informal report or a formal complaint and request a formal grievance process for harassment, discrimination, or retaliation orally or in writing with the District's Title IX Coordinator. The District's Title IX Coordinator is the "responsible District officer" charged with receiving and addressing complaints of discrimination or harassment. Individuals may be deterred from reporting incidents of sexual harassment if alcohol, drugs, or other violations of district or campus rules were involved. The District's primary concern is for student and employee safety and that use of alcohol or drugs never makes a Complainant at fault for sexual harassment. An individual who participates as a Complainant or witness in an investigation of sexual assault, domestic violence, dating violence, or stalking will not be subject to disciplinary sanctions for a violation of the district's student conduct policy at or near the time of the incident, unless the district determines that the violation was egregious, including, but not limited to, an action that places the health or safety of any other person at risk or involves plagiarism, cheating, or academic dishonesty.

The District encourages students and staff to let the offending person know immediately and firmly that their conduct

or behavior is unwelcome, offensive, in poor taste, or inappropriate. Anonymous reports will be investigated to the extent possible. However, anonymous reports may impede the District's ability to respond to complaints thoroughly. For more information about protection from retaliation and confidentiality of the process, please contact the Director of Title IX & Inclusive Practices to discuss your concerns and see the corresponding sections of this page.

Title IX Coordinator

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Deputy Title IX Coordinators

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Additional Reporting Options

In addition to filing a complaint with the District, Complainants may have the following reporting options available to them:

- File a complaint with local law enforcement about criminal conduct. Complainants may choose to be assisted by the Title IX Coordinator in notifying law enforcement, including facilitating a confidential report on their behalf if they elect to have their personally identifying information withheld. The District must investigate even if the complainant files a complaint with local law enforcement.
- Students may file a complaint with the Office of Civil Rights (OCR) of the U.S. Department of Education.
- If the complaint is employment-related, the complainant may file a complaint with the U.S. Equal Employment Opportunity Commission (EEOC) and/or the California Department of Civil Rights (formerly, Department of Fair Employment and Housing (DFEH)) where such a complaint is within that agency's jurisdiction.
- Claims for injury due to negligence must be filed with the Vice President of Human Resources, or the district's Risk Management Officer.
- Workplace violence or threat of violence by or against any employee should be immediately reported to an employee's supervisor, or the VP Human Resources, VP Student Services, VP Administrative Services, College Police, or District Risk management Officer

Officials with Authority Required to Report

Since failure to report harassment and discrimination may impede the District's ability to stop and respond to the behavior and preserve evidence, individuals are strongly encouraged to file timely complaints. Managers, supervisors, and Officials with Authority, must report complaints of harassment, discrimination and retaliation that they receive, including sexual harassment, to the Title IX Coordinator. For a full list of the Officials with Authority designated by the District, please review AP 3434: Responding to Sexual Harassment under Title IX.

Reports Against the Title IX Coordinator or District

If the party submitting the formal complaint alleges discrimination, harassment, or retaliation against the Title IX coordinator, the complaint should be submitted directly to the superintendent/ president or State Chancellor. If the party submitting the formal complaint alleges discrimination, harassment, or retaliation against the District, the complaint should be submitted directly to the State Chancellor.

After Reporting

Upon receiving notification of a harassment or discrimination complaint, the Director of Title IX & Inclusive Practices, or their designee, will contact the Complainant to explain their rights under policy and procedure and invite them to a meeting. The Title IX Coordinator or designee will discuss supportive measures with the Parties, their reporting wishes, and may ask preliminary questions about their report to complete an initial assessment. The Director of Title IX & Inclusive Practices, or their designee, will review the complaint to determine whether District policies & procedures apply, including making an immediate assessment concerning the health and safety of the Complainant and the campus community.

Individuals may normally decide whether they want to pursue a formal complaint and request an investigation into the reported conduct. If the Director of Title IX & Inclusive Practices finds there is a continued safety risk to any person, they will move forward with a formal complaint.

Informal Resolution

The Complainant may informally resolve their concerns through coaching, Restorative Justice, facilitate dialogue, shuttle diplomacy, mediation, or other informal efforts, with the consent of all parties involved. Parties are not required to participate in an informal resolution. The parties and the Director of Title IX & Inclusive Practices have the right to end the informal resolution process at any time. Mediation is not appropriate for resolving incidents involving sexual violence and the informal resolution process is not available to resolve allegations that an employee sexually harassed a student.

Formal Resolution

Investigation

If the Complainant or Director of Title IX & Inclusive Practices files a formal complaint, the District will investigate the allegations of the formal complaint, including notice of the grievance process, the opportunity to meet and provide

perspective on the allegations, evidence review, and receipt of an Investigation Report. The District must dismiss a formal complaint if the conduct alleged would not constitute a violation of the applicable policy or the conduct alleged did not occur within the District's jurisdiction as outlined in the applicable policy. The District may dismiss a formal complaint if the Complainant withdraws their complaint, the Respondent is no longer enrolled/employed with the District, or there are specific circumstances that prevent gathering sufficient evidence to reach a determination concerning the allegations.

The District will undertake its grievance process promptly and as swiftly as possible. The District will complete the investigation or the informal resolution process within 180 calendar days for grievances of Sexual Harassment under Title IX, and within 90 days for harassment and discrimination. The Director of Title IX & Inclusive Practices may extend the investigation timeline for good cause, such as to conduct a fair and complete investigation, accommodation an investigation by law enforcement or the unavailability of witnesses, delays by the Parties, District breaks or vacations, or complexity of the investigation. The District will notify the Parties of any extended deadlines, including the reason for the delay and the new deadline.

Adjudication

In the case of investigations under AP 3434: Responding to Harassment Under Title IX, the investigation report will include information about the evidence collected during the investigation and be provided to a decision-maker to determine at a hearing whether sexual harassment occurred with respect to each allegation.

In the case of investigations under AP 3435: Discrimination and Harassment Investigations, the report will include an analysis of the relevant evidence and a finding concerning whether probably cause exists to determine that discrimination, harassment, or retaliation occurred with respect to each allegation. There will not be a hearing, except in the case of discrimination by an employee.

If the District determines a violation of the policy or procedure occurred, it will take disciplinary action against the accused and any other remedial action it determines to be appropriate, consistent with state and federal law, District policy and procedure, employee manuals, collective bargaining agreements, or other employment agreements. The action will be prompt, effective, and commensurate with the severity of the offense. Possible student conduct outcomes or resolutions for student Respondents include written or verbal warnings, educational or restorative resolutions, student conduct probation, suspension, withdrawal of consent to remain on campus, restricted access to district property, expulsion, and other resolutions outlined in Administrative Procedure 5520: Student Conduct Procedures. Possible disciplinary sanctions for employee Respondents include written or verbal reprimand, required training or counseling, reduction in pay, demotion, suspension, or discharge. Parties may appeal the determinations in accordance with the applicable procedures.

Relevant Policies and Procedures

The college implements the following policies and procedures regarding harassment, discrimination, and retaliation, including sexual harassment. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage (https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html).

- BP 3400: Inclusion, Diversity, Equity, Accessibility (https://www.miracosta.edu/office-of-the-president/board-of-trustees/_docs/3400BP-InclusionDiversityEquityAccessibility.pdf)
- BP 3410: Nondiscrimination (https://www.miracosta.edu/office-of-the-president/board-of-trustees/_docs/3410BP-Nondiscrimination.pdf)
- AP 3410: Nondiscrimination (https://www.miracosta.edu/office-of-the-president/board-of-trustees/_docs/3410AP-Nondiscrimination.pdf)
- BP 3420: Equal Employment Opportunity (https://www.miracosta.edu/office-of-the-president/board-of-trustees/_docs/3420BP-EqualEmploymentOpportunity.pdf)
- AP 3420: Equal Employment Opportunity (https://www.miracosta.edu/office-of-the-president/board-of-trustees/_docs/3420AP-EqualEmploymentOpportunity.pdf)
- BP 3430: Prohibition of Harassment (https://www.miracosta.edu/office-of-the-president/board-of-trustees/_docs/3430BP-ProhibitionofHarassment.pdf)
- AP 3430: Prohibition of Harassment (https://www.miracosta.edu/office-of-the-president/board-of-trustees/_docs/3430AP-ProhibitionofHarassment.pdf)
- BP 3433: Prohibition of Sexual Harassment under Title IX (https://www.miracosta.edu/office-of-the-president/board-of-trustees/_docs/3433BP-ProhibitionofSexualHarassmentunderTitleIX.pdf)
- AP 3433: Prohibition of Harassment under Title IX (https://www.miracosta.edu/office-of-the-president/board-of-trustees/_docs/3433AP-ProhibitionofSexualHarassmentunderTitleIX.pdf)
- AP 3434: Responding to Harassment under Title IX (https://www.miracosta.edu/office-of-the-president/board-of-trustees/_docs/3434AP-RespondingtoHarassmentunderTitleIX.pdf)
- AP 3435: Discrimination and Harassment Complaints and Investigations (https://www.miracosta.edu/office-of-the-president/board-of-trustees/_docs/3435AP-DiscriminationandHarassmentInvestigations.pdf)
- BP 3540: Sexual and Other Assaults on Campus (https://www.miracosta.edu/office-of-the-president/board-of-trustees/_docs/3540BP-SexualMisconduct.pdf)
- AP 3540: Sexual and Other Assaults on Campus (https://www.miracosta.edu/office-of-the-president/board-of-trustees/_docs/3540AP-SexualandOtherAssaultsonCampus.pdf)
- AP 5203: Lactation Accommodation (https://www.miracosta.edu/office-of-the-president/board-of-trustees/_docs/5203AP-LactationAccommodation.pdf)

Resources

For more information on Title IX & Discrimination, including resources, frequently asked questions, and more, please visit MiraCosta College's Title IX & Discrimination (https://www.miracosta.edu/hr/hr/title-ix-and-discrimination/community-resources.html) website.

Institutional Code of Ethics

District Policy

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 *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*).)*

Non-Degree Applicable Courses

Developmental Coursework and Unit Limits

Developmental coursework consists of non-degree-applicable basic skills courses. A student's need for developmental coursework is determined using appropriate assessment instruments, methods, or procedures.

Students cannot receive more than 30 semester units for developmental coursework, subject to the following exceptions:

- A student who is enrolled in one or more courses of English as a Second Language is exempt from this unit limitation.
- A student who has been officially identified by the college as having a learning disability is exempt from this unit limitation.

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.

The MiraCosta College Community College District shall maximize the probability that a student will enter and complete transfer-level coursework in English and mathematics within a one-year time frame of the student's initial attempt in the discipline. For a student with a declared academic goal, the transfer-level coursework shall satisfy the English and mathematics course requirements of the intended certificate or associate degree, or a requirement for transfer within the intended major, within a one-year time frame of their initial attempt in the discipline.

The district shall not recommend or require students to enroll in pretransfer-level English or mathematics coursework unless the student is highly unlikely to succeed in a transfer-level English or mathematics course based on their high school grade point average and coursework and the enrollment in pretransfer-level coursework will improve the student's probability of completing transfer-level coursework in English and mathematics within a one-year time frame or, for credit English as a Second Language course students, completing transfer-level coursework in English within a three-year time frame.

The district shall use, in the placement and enrollment of students into English and mathematics courses, one or more of the following measures: high school coursework, high school grades, and high school grade point average. High school transcript data shall be used as the primary means for determining placement in English and mathematics courses. For students who have not graduated from high school, or for high school graduates unable to provide self-reported high school information, the district may use guided placement or self-placement. When using multiple measures, the district shall

apply multiple measures in the placement and enrollment of all students in such a manner that all of the following occur:

- Low performance on one measure shall be offset by a higher performance on another measure.
- Multiple measures shall be used to increase a student's placement recommendation and shall not be used to lower it.
- Any one measure may demonstrate a student's preparedness for transfer-level coursework.
- The multiple measures placement shall not require students to repeat coursework that they successfully completed in high school or college or for which they demonstrated competency through other methods of credit for prior learning.
- The multiple measures placement gives students access to a transfer-level course that will satisfy a requirement for the intended certificate or associate degree, or a requirement for transfer within the intended major.

If the district places and enrolls students into transfer-level mathematics or English coursework that does not satisfy a requirement for the student's intended certificate or associate degree, or a requirement for transfer within the intended major, the college shall determine the following:

- The student is highly unlikely to succeed in a transfer-level English or mathematics course that satisfies a requirement for the intended certificate or associate degree, or a requirement for transfer within the intended major based on their high school grade point average and coursework.
- The enrollment will improve the student's probability of completing transfer-level mathematics or English coursework that satisfies a requirement for the intended certificate or associate degree, or a requirement for transfer within the intended major, within a one-year time frame.

The district may recommend a student to enroll in additional concurrent support, including additional language support for English as a Second Language students, during the same term that they take a transfer-level English or mathematics course, but only if the college determines the support will increase their likelihood of passing the transfer-level English or mathematics course.

If the district places and enrolls students into transfer-level course sequences, composed of no more than two transfer-level courses, that prepare students for the first STEM calculus course, the college shall determine the following:

1. The student is highly unlikely to succeed in the first STEM calculus course without the additional transfer-level preparation.
2. The enrollment will improve the student's probability of completing the first STEM calculus course.
3. The enrollment will improve the student's persistence to and completion of the second calculus course in the STEM program, if a second calculus course is required.

The following are exceptions to transfer-level placement and enrollment into mathematics and English coursework, as described in Administrative Procedure 4222:

1. Students who have not graduated from a United States high school or been issued a high school equivalency certificate.
2. Students enrolled in a certificate program without English or mathematics requirements.
3. Students enrolled in a noncredit English as a Second Language course who have not graduated from a United States high school or been issued a high school equivalency certificate.
4. Students with documented disabilities in educational assistance classes who are otherwise not able to benefit from general college classes.
5. Students enrolled in adult education programs who have not graduated from a United States high school or been issued a high school equivalency certificate.
6. Students enrolled in adult education programs who are enrolled in coursework other than mathematics or English.
7. Current high school students in dual enrollment or taking courses not available in their local high school.

A student who demonstrates significant, measurable progress toward the development of skills appropriate to enrollment in college-level courses may request a waiver of the limitations of this procedure. 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.

If a student who has been placed on academic or progress separation due to lack of progress or substandard grades (see Board Policy/Administrative Procedure 4250 and Administrative Procedure 4255) successfully completes developmental coursework or demonstrates skill levels that assure success in college-level courses, they may petition the Committee on Exceptions for reinstatement to proceed with college-level coursework.

(Source: MCCD Administrative Procedure 4222. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*).)*

Open Enrollment

District Policy

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. Enrollment may be limited to students meeting properly validated prerequisites and corequisites as outlined in Administrative Procedure 4260. Enrollment may also be limited due to other legal or practical considerations as defined in Administrative Procedure 5055.

No student is required to receive permission to enroll in any class offered by the district, except as provided for in Administrative Procedure 5055 and for enrollment in programs requiring a separate application process.

(Source: MCCD Board Policy 5052. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage *(*https://www.miracosta.edu/

office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*).)*

Standards of Student Conduct

Student Affairs

The board of trustees and the campus community at MiraCosta College support a harmonious, safe, and productive learning environment. To promote such an environment, the board and the superintendent/president have established a set of standards for student conduct. This policy and the procedures associated with it delineate and define student rights and responsibilities and the resolution steps associated with due process. Students are expected to conduct themselves in an ethical manner consistent with a safe and harmonious campus environment. Matters related to student rights, responsibilities, and conduct are addressed by the dean of Student Affairs or their designee.

MiraCosta College Standards of Student Conduct

As members of the MiraCosta College community, students have rights and responsibilities. If students are found responsible for engaging in any of the following behaviors, they may face the possibility of student conduct resolutions that include, but are not limited to, a warning, educational resolution, student conduct notice, suspension, expulsion, or other applicable resolutions as described in Administrative Procedure 5520: Student Conduct Procedures. Please note that conduct that constitutes sexual harassment under Title IX will be addressed under Board Policy 3433: Prohibition of Sexual Harassment under Title IX, Administrative Procedure 3433: Prohibition of Sexual Harassment under Title IX, and Administrative Procedure 3434: Responding to Harassment Based on Sex under Title IX. Students enrolled in programs governed by external licensure or accreditation may have additional standards of student conduct and student conduct procedures, as detailed in the program's student handbook or manual.

- Causing, attempting to cause, or threatening to cause physical injury to another person, including any act that poses a threat to the safety or well being of members of the college community, to district or private property within the college community, or poses a significant threat of disruption or interference with college operations.
- Possessing, selling, or otherwise furnishing any real or imitation firearm, knife (over 2.5 inches long per California Penal Code §626.10c), explosive, or other dangerous objects, unless the student has obtained written permission to possess the item on campus from the dean of Student Affairs or designee.
- Unlawfully possessing, using, selling, offering to sell, furnishing, or being under the influence of an alcoholic beverage. While the distribution or sale of alcohol is permitted at events sponsored by the MiraCosta College Foundation and off-campus events sanctioned by the college, students serving as representatives of the college at such events are prohibited from consuming alcoholic beverages.
- Unlawfully possessing, using, selling, offering to sell, furnishing, or being under the influence of any controlled substance listed in California Health and Safety Code §§11053 et seq., including marijuana; or unlawfully possessing, or offering, arranging, or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code §11014.5. MiraCosta College does not permit students to use medically-prescribed marijuana at any college site or at any college-sponsored activity.
- Committing or attempting to commit burglary, robbery, or extortion.
- Stealing, or attempting to steal, district or private property on campus, or knowingly receiving stolen district or private property.
- Smoking or using any tobacco products in violation of Board Policy 3570: Tobacco-Smoke-Vapor-Free Campus, as described in Administrative Procedure 3570: Tobacco-Smoke-Vapor-Free Campus.
- Committing or attempting to commit sexual assault, sexual misconduct, or sexual exploitation, regardless of the impacted person's affiliation with the district.
- Engaging in or attempting to engage in sexual harassment as defined by law or by district policies and procedures.
- Engaging in harassing or discriminatory behavior based on any protected class, including, but not limited to, age, ancestry, color, physical or mental disability, pregnancy, gender, gender identity, gender expression, nationality, marital status, medical condition, genetic information, national origin, parental status, military or veteran status, race or ethnicity, religion, sexual orientation, and any other status protected by law.
- Engaging in intimidating conduct or bullying against another student, community member, or district personnel through words or actions, in person, through a third party, or electronic communication, including direct physical contact; verbal assaults, such as teasing or name-calling; harassment; social isolation or manipulation; cyberstalking; and/or cyberbullying.
- Behaving in a manner that results in injury or death to a student or to college district personnel or community members.
- Not following the directive(s) of district personnel aimed at protecting life, health or safety, or the orderly operations of the college community.
- Cheating, plagiarizing, or engaging in other academic dishonesty as defined by Board Policy 5505: Academic Integrity and Administrative Procedure 5505: Academic Integrity-Appeal Process.
- Appropriating district resources for personal gain, committing forgery, tampering with college or student elections, altering or misusing district documents, records, or identification, or knowingly furnishing false information to the district.
- Entering, attempting to enter, or using district facilities or equipment without authorization.
- Engaging in lewd, indecent, or obscene conduct or expression on district-owned or controlled property or at district-sponsored or supervised functions.
- 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.
- Engaging in behavior that has a disruptive impact on the college community, including, but not limited to the teaching, learning, administration, or other college activities, programs, or services.
- Violating district or California Education Code regulations pertaining to student organizations, distribution of literature, and place and manner of public expression, as defined by Administrative Procedure 3900: Speech - Time, Place and Manner.
- Unlawfully obtaining or altering college records, electronic information, or computer applications and committing any computer-related crimes, as defined in California Penal Code §502.
- Preparing, giving, selling, transferring, distributing, or publishing any 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 allowable by the course syllabus or district employee or permitted by any district policy or administrative procedure.
- Harassing, threatening, or intimidating any person who is involved in a school investigation or proceeding.
- Persistent, serious misconduct where other means of correction have failed to bring about behavior that follows the MiraCosta College Standards of Student Conduct.
- Hazing or attempted hazing of a former, current, or prospective student of the district, as defined in Administrative Procedures 3436: Hazing.

Students who engage in any of the above are subject to the procedures outlined in the student conduct procedures listed below.

Student Conduct Procedures

As part of MiraCosta's culture of care, these procedures are designed to support student success. As a community college, all stakeholders, including students, have responsibilities to ensure a safe and productive learning environment.

The purpose of the student conduct administrative procedure is to outline the rights and responsibilities of our students, who are all members of the MiraCosta College community. These student conduct procedures provide a prompt and clear means to address alleged violations of the MiraCosta College standards of student conduct, which guarantees students the due process rights afforded by state and federal laws. These procedures will be used in a consistent manner and not for purposes of retaliation. It is not intended to serve as a substitute for criminal or civil proceedings that may be initiated by other agencies. Rather, this is an educational and developmental process that is designed to uphold students' rights and ensure safety throughout our community.

The superintendent/president has designated the dean of Student Affairs as the administrator responsible for student conduct procedures.

Please note that conduct that constitutes sexual harassment under Title IX will be addressed under Board Policy 3433: Prohibition of Sexual Harassment under Title IX, Administrative Procedure 3433: Prohibition of Sexual Harassment under Title IX, and Administrative Procedure 3434: Responding to Harassment Based on Sex under Title IX. Students enrolled in programs governed by external licensure or accreditation may have additional standards of student conduct and student conduct procedures, as detailed in the program's student handbook or manual.

Definitions

- District: The MiraCosta Community College District (commonly referred to as MiraCosta College).
- Student: Any person who has applied, is enrolled, or formerly enrolled, in any course(s) at any site, online, or in any program offered by the district, including off campus
- Faculty member: Any academic employee of the district in whose class a student subject to conduct procedures is enrolled, or counselor who is providing or has provided services to the student, or other academic employee who has responsibility for the student's educational program.
- Days: Unless otherwise stated in this document, the term "days" refers to days when the district is open.
- Student conduct administrator: A designated district employee responsible for conducting student conduct investigations, issuing interim measures, administering student rights and responsibilities meetings to determine findings of responsibility, issuing resolutions, conducting reinstatement meetings, and other duties outlined in these student conduct procedures.
- Hearing administrator: A designated district employee responsible for administering appeal hearings who is impartial and does not have a conflict of interest.
- Student rights and responsibilities meeting: The due process meeting by which an allegation of a violation of the standards of student conduct is addressed by the student conduct administrator with the responding party.
- Appeal hearing: The meeting that addresses a responding party's request for appeal of a finding of responsibility and/or appeal of a resolution.
- Preponderance of the evidence: The standard by which a decision is made by the student conduct administrator or the hearing administrator. The standard is such that a reasonable person would find it more likely than not that a behavior occurred and that it violated one or more of the standards of student conduct.
- Advisor: A support person (e.g. friend, family member, district employee, attorney, chaplain, conservator, etc.) who may accompany the student during a student rights and responsibilities meeting or an appeal hearing. The role of the advisor is to provide support to the student during the process. Advisors cannot speak on behalf of the student.
- Witness: Any person with direct knowledge of the incident who may be invited to participate in the student conduct process.
- Reporting party: The person who reports behavior that may be in violation of the standards of student conduct. The reporting party may be different from the impacted party.
- Impacted party: A person who is commonly known as a victim or survivor of a reported behavior that is in violation of the standards of student conduct.
- Responding party: A student reported to be in possible violation of the standards of student conduct.
- Resolution: Serves as the outcome assigned to the responding party when a student is found responsible for a violation of the standards of student conduct.

- In absentia: When a student does not schedule or attend their student rights and responsibilities meeting or appeal hearing, the student conduct administrator or hearing administrator may make a determination in the absence of the responding party.
- Expulsion hearing: The hearing held by the board of trustees to address a recommendation for expulsion.
- Behavioral Intervention Team: Designated employees of the district who work to assess, prevent, intervene, and respond to situations that may pose a threat to the campus community or require consultation with a multidisciplinary team.

Student Rights

Students have the right to report concerns about behavior and they also have the right to be informed of any credible reports filed about them, and be provided an opportunity to respond to any credible reports in a timely manner. Recognizing that students often manage significant matters outside of their educational responsibilities, the district has outlined the following procedures to support a clear student conduct process. All students have the right to a student rights and responsibilities meeting. Students have a right to review Administrative Procedure 5520: Student Conduct Procedures and Administrative Procedure 5500: Standards of Student Conduct prior to the meeting. These documents are emailed to the responding party, or the responding party may review them on the district website.

Students also have the right to bring an advisor with them to the student rights and responsibilities meeting, appeal hearing, and/or expulsion hearing. A student has a right to select an advisor of their choice or to request the district provide an advisor to the student. An advisor, with written permission from the student, will receive updates along with the student during the student conduct process. The district provides training for advisors provided by the district and can train advisors selected by the student if requested. The training will include information on the district's student conduct procedures and may be provided in an online or in-person format. If the student chooses to bring a lawyer to serve as their advisor, the student must inform the student conduct administrator no later than five (5) days prior to the meeting or hearing date, so that the district may make accommodations to have their own legal counsel attend the meeting as well. The student conduct administrator reserves the right to remove an advisor if they become disruptive to the student conduct process.

Students also have the right to request reasonable accommodations. This request should be made in writing to the assigned student conduct administrator in advance of the student rights and responsibilities meeting and/or appeal hearing. The student conduct administrator will review the request and consult with appropriate parties if needed to determine if and how the accommodation request can be fulfilled.

The Family Educational Rights and Privacy Act (FERPA) protects student privacy rights. Student privacy rights are maintained through the student conduct process. Allegations, findings of responsibility, and resolutions remain private to the extent required by law. A record of all cases will be held within the Office of Student Affairs.

To encourage reporting of incidents, students who report concerns, serve as witnesses, or seek medical aid may be afforded limited amnesty for minor alleged policy violations. If the student conduct administrator determines limited amnesty is applicable, the student will not be subject to the student conduct process but may be referred to educational meetings or resources for support.

Student Responsibilities

When a report about student behavior that may be in violation of the standards of student conduct (Administrative Procedure 5500) is filed with the Office of Student Affairs, the matter is addressed in a student rights and responsibilities meeting. The purpose of the meeting is to address the concern, uphold the student's due process rights, determine if the behavior occurred, offer an educational and developmental dialogue to discuss the impact of the behavior, and determine next steps with identified resolutions as appropriate. Within an equity-minded and educational framework, the student conduct administrator is responsible for upholding the student conduct procedures. The dean of Student Affairs or designee has the right to bring a case forward to the Behavioral Intervention Team for review and consultation.

All communication with students will be conducted utilizing the contact information located in the student's account. As a result, it is the student's responsibility to update their contact information in their student account so the Office of Student Affairs may reach them to schedule a meeting to discuss the alleged violation of the standards of student conduct. It is also the student's responsibility to check and respond to email and phone communications in a timely manner.

Interim Measures

Pending the outcome of a student rights and responsibilities meeting, interim measures may be administratively imposed. Student conduct administrators also retain the right to implement interim measures when a report of student behavior indicates that the student poses a threat of harm or is harmful to the welfare of others, or if it is necessary to ensure the orderly operations of the district. An interim measure may be put in place to ensure the safety of the campus community, provide time for further evidence to be gathered and reviewed, and/or offer support to the responding party. The responding party will receive verbal and/or written notice of the interim measure. Interim measures may include, but are not limited to, no contact orders, withdrawal of consent to remain on campus, restricted use of district property, class removal with academic accommodations, interim suspension, or more as deemed appropriate by the student conduct administrator.

To protect members of the college community, property, and/or to ensure the orderly operations of the district, the student may be suspended for an interim period of up to ten (10) days. In the event of an interim suspension, the student rights and responsibilities meeting will be held within ten (10) days of the notice of interim suspension (Education Code section 66017). Reasonable opportunities, such as academic accommodations, may be provided to the responding party during their interim suspension.

Student Rights and Responsibilities Meeting Procedures

When a report about an alleged violation of the standards of student conduct is made to the Office of Student Affairs, the dean of Student Affairs or their designee will contact the responding party in written form via email at the email address noted in their student account. This email will inform the responding party that a concern about their behavior has been reported and they may be in violation of the standards of student conduct. This email will include the following: (i) a short statement of facts alleged in the report, (ii) the standard(s) of student conduct allegedly violated, (iii) the nature of the resolutions that are being considered, and (iv) information about student conduct procedures and how to schedule a student rights and responsibilities meeting.

Students must arrange their student rights and responsibilities meeting within ten (10) days of the issued notice. Arrangements to hold the student rights and responsibilities meeting outside of the ten (10) day period can be arranged, but must be done so with the approval of the student conduct administrator within ten (10) days of when the meeting notice was issued to the responding party. If a responding party does not schedule a student rights and responsibilities meeting within ten (10) days of the issued notice, the student conduct administrator retains the right to review the allegation in absentia, make a determination of finding of responsibility, and issue appropriate resolution(s) without the student's participation.

At the scheduled student rights and responsibilities meeting, the responding party will meet with the student conduct administrator to review the details of the allegation. The responding party has the right to receive notice of the allegations, share their perspective, present evidence related to the event(s) in question, accept or not accept responsibility, share what they have learned, and have the right for an advisor to be present. Formal rules of evidence and court procedures do not apply. Relevant evidence, including hearsay, can be considered if it is the type of evidence that reasonable members of the college community would rely upon to make a decision.

Finding(s) of responsibility will be determined either at the student rights and responsibilities meeting, or at a later date to allow for more consideration, evidence, or witness statements to be shared and reviewed as appropriate at the determination of the student conduct administrator. A finding of responsibility is determined based on the standard of preponderance of the evidence (more likely than not that the behavior occurred and violated the standards of the student conduct). When a finding of responsibility is determined, this information will be shared with the responding party via an in-person meeting, or in writing via email or print form.

If there is a finding(s) of responsibility, the resolution(s) will be determined by the student conduct administrator. The student conduct administrator may consider the responding party's conduct history, the current violation, the impact of their behavior, and other relevant considerations when issuing a resolution.

Resolutions

When there is a finding of responsibility for a violation of a standard(s) of student conduct, one or more of the following resolutions may be implemented:

- Warning: A written warning is issued as a directive to discontinue the behavior in question and other violations of the standards of student conduct. Warnings may be issued to those found responsible for a first time, low-level violation with minimal impact. Following a warning, any other violations of the standards of student conduct will result in an additional resolution.
- Educational resolution: The purpose of educational resolutions is to help students deepen their understanding of their behavior from a new perspective, learn about the impact of their behavior, identify their values and goals, and/or support their learning. Educational resolutions may include reflection papers, research assignments, creation of art pieces, active participation at seminars, trainings, institutes, webinars, or any educational outcome that is deemed culturally relevant, equity-minded, proportionate and relevant to the behavior and/or impact of the reported behavior. Educational resolutions should not be of cost to the responding party and should not conflict with attendance at class requirements.
- Restorative resolution: Restorative resolutions focus on addressing the impact of behavior and reintegrating the responding party into the community. A restorative resolution requires the full agreement and voluntary participation of the responding party and other parties involved in the case, including but not limited to reporting parties and impacted parties. Restorative resolutions are designed to assist the responding party with identifying the impact or harm that was caused by their behavior, and provide a means for the responding party to repair that harm or impact as an active member of the community. Restorative resolutions should be timely in response. A responding party has the right to request a restorative resolution for consideration, and a student conduct administrator retains the right to not issue a restorative resolution should they deem it inappropriate for the situation.
- No contact order: A no contact order is an administrative directive that may be implemented with or without a finding of responsibility for a violation of the standards of student conduct. The no contact order between two or more parties prevents any contact between the parties (physical or otherwise, including, but not limited to verbal, written, electronic, text message, email, and social media). Additionally, the parties may not request contact with the other through a third party. A violation of a no contact order will result in an additional violation of the standards of student conduct.
- Restricted access to district property: The student conduct administrator has the right to restrict, modify, or limit a responding party's access to district property, including specific locations and equipment.
- Withdrawal of Consent to Remain on Campus: The student conduct administrator has the right to issue a withdrawal of consent of any person to be on campus, in accordance with California Penal Code Section 626.4, when there is reasonable cause to determine that the person has willfully disrupted the orderly operation of the district.

- Two-Day Removal: A faculty-initiated class removal that involves exclusion of the student from class by an instructor for the day of the exclusion and the next class meeting. If the exclusion is from an online class, then the instructor/faculty member may remove the student for a period of time that equates to two (2) class sessions. This decision cannot be appealed, and the instructor must report the removal to the Office of Student Affairs (Education Code section 76032).
- Hold on Student Account: A student conduct administrator may place a hold on a student's account when deemed appropriate. For example, a hold on a student account will be placed while a student is on an interim suspension, long-term suspension, has a withdrawal of consent to remain on campus, has been issued a recommendation for expulsion, or has been expelled from the district. This hold may be temporarily or permanently lifted when deemed appropriate by the respective student conduct administrator.
- Student conduct notice (formally known as student conduct probation): When the behavior for a violation rises beyond a warning, or is repeated conduct, the student conduct administrator may place a student on student conduct notice. Student conduct notice is intended to be educational in nature specific to MiraCosta College, and is different from academic notice. During student conduct notice, any other violation of the standards of student conduct may result in an additional resolution, including suspension or expulsion from the district.
- Long-Term Suspension: Following a finding of responsibility, a long-term suspension may be implemented. A long-term suspension is exclusion of the student from one or more classes by the student conduct administrator for good cause for the remainder of the school term, or for one or more terms.
  - If a student wishes to enroll after the completion of a long-term suspension, the student should contact the Office of Student Affairs to request a reinstatement meeting. During the reinstatement meeting, the student conduct administrator, or designee, will meet with the student to review the gravity of the offense, evidence of any subsequent offenses, the likelihood that the student would cause substantial disruption if they are reinstated, and any other relevant matters to make a decision about the student's request for reinstatement. The student conduct administrator may permit conditional reinstatement and specify the conditions under which reinstatement will be permitted (Education Code section 76030).
- Expulsion: An expulsion is permanent exclusion of the student from the district by the board of trustees (Education Code Section 76030). Following a finding of responsibility, an expulsion may be implemented for good cause when other means of correction fail to bring about proper conduct, or when the presence of the student causes a continuing danger to the physical safety of the student or others. Expulsions are notated on student transcripts.

Appeal Procedures

Students have the right to appeal a student conduct administrator's decision when the decision includes a resolution that is a long-term suspension, withdrawal of consent to remain on campus, and/or a recommendation for expulsion. No other decisions or resolutions can be appealed.

Appeal Procedures: Long-Term Suspension and Withdrawal of Consent to Remain on Campus

The appeal procedures for a long-term suspension and withdrawal of consent to remain on campus follow the same procedure. The responding party may request an appeal of a long-term suspension and/or withdrawal of consent to remain on campus by submitting an Appeal Request Form within five (5) days of the issued finding(s) and resolution(s). The submitted form must include the reason for the requested appeal. The dean of student affairs or their designee will then present the request to a hearing administrator within five (5) days of receiving the written appeal request.

The hearing administrator will arrange for an appeal hearing to take place in a timely manner. The Office of Student Affairs will provide the responding party with an outline of what to expect in the appeal hearing. During the appeal hearing, the responding party and student conduct administrator will have an opportunity to meet with the hearing administrator in person or online to address the appeal request. If the responding party is not able to meet in person, accommodations can be made to hold the appeal hearing through electronic means, such as video conferencing. The hearing will be audio recorded.

The hearing administrator may review the initial report, the responding party's conduct history, the student conduct administrator's justification for the finding of responsibility and the applicable resolution, the student's transcript, any provided evidence, speak with the responding student, the student conduct administrator, and/or witnesses who have direct knowledge of the incident in question, and review any relevant documentation to determine if the appeal will be granted.

The hearing administrator will explain the rules of the hearing and has final say about what evidence may be submitted and which witnesses may be addressed. Formal rules of evidence and court procedures do not apply. All participating parties will need to agree to tell the truth, the whole truth, and nothing but the truth. The student conduct administrator and the responding party will each be permitted to make an opening statement, limited to five (5) minutes each. Thereafter, the student conduct administrator will be allowed time to address the facts of the case. The student then has the right to respond and address the allegations and present evidence that supports their appeal. The hearing administrator may ask questions of the responding party and the student conduct administrator. If deemed necessary or appropriate, the hearing administrator may ask questions of the witness(es). The burden is on the student conduct administrator to prove by a preponderance of the evidence that the facts alleged are true. The parties will be permitted to provide questions to the hearing administrator to consider and bring forward to the other parties involved, if deemed appropriate by the hearing administrator.

The hearing administrator will make a determination to either uphold, modify, or remove the long-term suspension and/or withdrawal of consent to remain on campus. The determination of the appeal will be communicated to the responding party within five (5) days of the appeal hearing.

If the student disagrees with the decision of the hearing administrator, a final appeal request may be made in writing to the vice president of Student Services or their designee within five (5) days of receiving the appeal hearing outcome. The vice president of Student Services or designee may review the student's final written appeal statement, the student conduct administrator's hearing summary, the audio recording of the hearing appeal and/or more, if determined necessary by the vice president of Student Services or designee. The vice president of Student Services or designee will make a determination to either uphold, modify, or remove the long-term suspension and/or withdrawal of consent to remain on campus. The decision is final. The determination of the appeal will be communicated to the responding party within five (5) days of the final appeal review.

Appeal Procedures: Recommendation for Expulsion

If the student conduct administrator determines that a violation of the district's standards of student conduct is so egregious that it warrants expulsion from the district, the student conduct administrator may make a recommendation for expulsion. The responding party may request an appeal of a recommendation for expulsion by submitting an Appeal Request Form within five (5) days of the issued finding(s). The submitted form must include the reason for the requested appeal. The dean of student affairs or their designee will then present the request to a hearing officer within five (5) days of receiving the written appeal review request.

The hearing administrator will arrange for an appeal hearing to take place in a timely manner. The Office of Student Affairs will provide the responding party with an outline of what to expect in the appeal hearing. During the appeal hearing, the responding party and student conduct administrator will have an opportunity to meet with the hearing administrator in person or online to address the appeal request. If the responding party is not able to meet in person, accommodations can be made to hold the appeal hearing through electronic means, such as video conferencing. The hearing will be audio recorded.

The hearing administrator may review the initial report, the responding party's conduct history, the student conduct administrator's justification for the finding of responsibility and the applicable resolution, the student's transcript, any provided evidence, speak with the responding student, the student conduct administrator, and/or witnesses who have direct knowledge of the incident in question, and review any relevant documentation to determine if the appeal will be granted.

The hearing administrator will explain the rules of the hearing and has final say about what evidence may be submitted and which witnesses may be addressed. Formal rules of evidence and court procedures do not apply. All participating parties will need to agree to tell the truth, the whole truth, and nothing but the truth. The student conduct administrators and the responding party will have time to make an opening statement, limited to five (5) minutes each. Thereafter, the student conduct administrator will be allowed time to address the facts of the case. The responding party then has the right to respond and address the allegations and present evidence that supports their appeal. The hearing administrator may ask questions of the responding party and the student conduct administrator. If deemed necessary or appropriate, the hearing administrator may ask questions of the witness(es). The burden is on the student conduct administrator to prove by a preponderance of the evidence that the facts alleged are true. The parties will be permitted to provide questions to the hearing administrator to consider and bring forward to the other parties involved, if deemed appropriate by the hearing administrator.

The hearing administrator will make a determination to either uphold, modify, or remove the recommendation for expulsion. The determination of the appeal will be communicated to the responding party within five (5) days of the appeal hearing.

If the hearing administrator upholds the recommendation for expulsion, the hearing administrator will issue a recommendation to the vice president of Student Services. If the vice president of Student Services supports the recommendation for expulsion, the recommendation will be forwarded to the board of trustees for an expulsion hearing.

The expulsion hearing will take place within thirty (30) days of the receipt of the recommendation. The board of trustees may hold the expulsion hearing during a regularly scheduled meeting or convene a special meeting. The student will be notified of the board of trustees expulsion hearing at least five (5) days prior to the board of trustees meeting at which the expulsion recommendation will be considered. The notification will include the date, time, and location of the board meeting.

The board of trustees expulsion hearing will be conducted in closed session unless the responding party, within forty-eight (48) hours after receipt of the notice of hearing, formally requests in writing to the superintendent/president that the hearing be conducted in open session. Even if a responding party has requested the board consider an expulsion recommendation in an open session, the board will hold any discussion that might be in conflict with the right of privacy of any other student, other than the responding party, in closed session (Education Code section 72122).

During the hearing, the president of the board of trustees or a designee will serve as the hearing administrator. The hearing administrator will explain the rules of the hearing and has final say about what evidence may be submitted and what witnesses may be addressed. Formal rules of evidence and court procedures do not apply. All participating parties will need to agree to tell the truth, the whole truth, and nothing but the truth. The student conduct administrator and the responding party will have time to make an opening statement, limited to five (5) minutes each. Thereafter, the student conduct administrator will be allowed time to address the recommendation for expulsion. The student then has the right to respond and address the allegations and present evidence that supports their appeal. The board may ask questions of the student and the student conduct administrator. If deemed necessary or appropriate, the board may ask questions of the witness(es). The parties will be permitted to provide questions to the hearing administrator to consider and bring forward to the other parties involved, if deemed appropriate by the hearing administrator.

After the hearing, the board of trustees will deliberate. The board may accept, modify, or reject the student conduct administrator's recommendation for expulsion. The board will take action in open session and the result of the action will be

public record. The name of the student will not be released in public record unless required by law (Education Code section 72122).

The Office of Student Affairs will notify the responding party of the decision in writing within five (5) days of the hearing. If the student is expelled by the board of trustees, the student will be permanently excluded from enrolling at the district. The decision is final.

References

Education Code Sections 66017, 66300, 66301, 72122, 76030-76037, 76234

** All MiraCosta College board policies and administrative procedures are located on the* Board of Trustees webpage *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*).*

Student Records & Privacy Rights

Student Records, Directory Information, and Privacy

The superintendent/president shall assure that student records are maintained in compliance with applicable federal and state laws relating to the privacy of student records.

The superintendent/president may direct the implementation of appropriate safeguards to assure that student records cannot be accessed or modified by any person not authorized to do so.

Any currently registered or former student of the district has a right of access to any and all student records pertaining to the student that are maintained by the district.

No district representative shall release the contents of a student record to any member of the public without the prior written consent of the student, other than directory information as defined in this policy and information sought pursuant to a court order or lawfully issued subpoena, or as otherwise authorized by applicable federal and state laws.

Students shall be notified annually of their rights with respect to student records, including the definition of directory information contained here, and that they may limit the information. Directory information shall include the following:

- Student name, address, phone number, email address, date of birth, dates of attendance, photograph, and enrollment status (full-time, half-time).
- Student participation in officially recognized activities and sports, including weight and height.
- Degrees, certificates, and awards received by students, including date, major, honors, scholarship awards, and athletic awards.
- President's List and President's Permanent Honor Roll recognition.

Release of Student Records

A cumulative record of enrollment, scholarship, and educational progress shall be kept for each student. No instructor, official, employee, or Board of Trustees member shall authorize access to student records to any person except under the following circumstances:

- Student records in the form of a transcript shall be released pursuant to a student's written or verified electronic consent. Students shall submit a signed transcript request to the Admissions and Records Office indicating the number of transcripts requested and destination. Students may submit an electronic transcript request whereby the identity of the requestor is verified through a series of questions and responses and validation of the payer. If identity cannot be verified electronically, the student's written signature will be required by the transcript-processing vendor prior to release of the academic record.
- Directory information may be released in accordance with the definitions in Board Policy 5040. Requests for release of directory information shall be submitted to the Director of Admissions and Records or the Dean of Admissions and Student Support for approval or denial. The district reserves the right to deny any such requests. Student records shall be released pursuant to a judicial order or a lawfully issued subpoena. Subpoenas shall be submitted to the Admissions and Records Office. The subpoenas shall be reviewed to determine the type of records requested and the appropriate office of retention of such records. Retrieval of records from college departments and offices shall be organized by Admissions and Records staff. The Director of Admissions and Records shall review the subpoena and gathered documents and, when required, prepare a declaration of records as submitted in order to comply with the subpoena. The district will make a reasonable effort to notify the eligible student of the order or subpoena in advance of compliance so that the eligible student may seek protective action, unless the disclosure is prohibited by regulation.
- Student records shall be released pursuant to a federal judicial order that has been issued regarding an investigation or prosecution of an offense concerning an investigation or prosecution of terrorism.
- Student records may be released to officials and employees of the district only when they have a legitimate educational interest to inspect the record. The supervisor of an employee who requires access to student records as part of their normal course of duties shall submit an access-to-records request as part of the hiring process. The employee shall be required to sign a confidentiality form to ensure compliance with privacy laws. Non-routine requests for access to student records shall be submitted to the Director of Admissions and Records or the Dean of Admissions and Student Support, who shall review the request for appropriate use, approve or deny the requests, and provide direction regarding proper disposal of records after use.
- Student records may be released to authorized representatives of the Comptroller General of the United States, the Secretary of Education, an administrative head of an education agency, state-education officials, or their respective designees, or the United States Office of Civil Rights, when that information is necessary to audit or evaluate a state or federally supported educational

program or pursuant to federal or state law. Exceptions are that when the collection of personally identifiable information is specifically authorized by federal law, any data collected by those officials shall be protected in a manner that will not permit the personal identification of students by other than those officials, and any personally identifiable data shall be destroyed when no longer needed for that audit, evaluation, and enforcement of federal legal requirements. Requests shall be submitted to the Dean of Institutional Planning, Research and Grants who in conjunction with the Director of Admissions and Records or the Dean of Admissions and Student Support shall monitor the retrieval and distribution of such records.

- Student records may be released to officials of other public or private schools or school systems, including local, county, or state correctional facilities where education programs are provided, when the student seeks or intends to register or is directed to register. The release is subject to the conditions in Education Code §76225. Requests shall be submitted to the Dean of Institutional Planning, Research and Grants who in conjunction with the Director of Admissions and Records or the Dean of Admissions and Student Support shall monitor the retrieval and distribution of such records.
- Student records may be released to agencies or organizations in connection with a student's application for, or receipt of, financial aid, provided that information permitting the personal identification of those students may be disclosed only as may be necessary for those purposes as to financial aid, to determine the amount of the financial aid, conditions that will be imposed regarding financial aid, or to enforce the terms or conditions of financial aid. Requests shall be submitted to the Director of Admissions and Records or the Dean of Admissions and Student Support who shall monitor the retrieval and distribution of such records.
- Student records may be released to organizations conducting studies for or on behalf of accrediting organizations, educational agencies, or institutions for the purpose of developing, validating, or administrating 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 Research, Planning and Institutional Effectiveness, 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, age or date of birth, class level (freshman, sophomore, etc.), degree received, and academic major. Under FERPA, students may request that directory information be withheld. This protection will be honored under the Solomon Amendment.

Charge for Transcripts

A student/former student is entitled to two free copies of their transcript. Additional copies can be made available to the student or to an addressee designated by the student at the rate of five dollars per copy. A two dollar convenience fee will be added to the transcript requests submitted using the online system. Students may request special processing of a transcript. Third-party requests require a signed release from the student and include a fee of $15 per transcript.

Verifications of Student Records

A verification of enrollment certifies that the student is attending full time, half-time, or less than half-time. Degree verifications indicate graduation and certificate information including date and major.

The college has authorized the National Student Clearinghouse to provide online degree verifications to employers and background screening firms. There is a fee for this service. If a student has restricted access to Directory Information, the Clearinghouse will require a signed release by the requestor.

Use of Social Security Numbers

Effective January 1, 2007, the district shall not do any of the following:

- Publicly post or publicly display an individual's social security number.
- Print an individual's social security number on a card required to access products or services.
- Require an individual to transmit their social security number over the Internet using a connection that is not secured or encrypted.
- Require an individual to use their social security number to access an Internet website without also requiring a password or unique personal identification number or other authentication device.
- Print, in whole or in part, an individual's social security number so that it is visible on any materials that are mailed to the individual, except those materials used for:
  - Application or registration purposes
  - To establish, amend, or terminate an account, contract, or policy
  - To confirm the accuracy of the social security number.

If the district has, prior to January 1, 2004, used an individual's social security number in a manner inconsistent with the above restrictions, it may continue using that individual's social security number in that same manner only if:

- The use of the social security number is continuous.
- The individual is provided an annual disclosure that informs the individual that they have the right to stop the use

of their social security number in a manner otherwise prohibited.
- MiraCosta Community College District agrees to stop the use of an individual's social security number in a manner otherwise prohibited upon a written request by that individual.
- No fee shall be charged for implementing this request, and the district shall not deny services to an individual for making such a request

Challenging Content and Access Log

Challenging Content

Any student may file a written request with the Director of Admissions and Records to correct or remove information recorded in their student records that the student alleges to be (1) inaccurate, (2) an unsubstantiated personal conclusion or inference, (3) a conclusion or inference outside of the observer's area of competence, or (4) not based on the personal observation of a named person with the time and place of the observation noted. The Director of Admissions and Records shall identify the appropriate administrator responsible for the record(s) in question.

Within thirty (30) days of receipt of the request, the appropriate administrator shall meet with the student and the employee who recorded the information in question, if the employee is presently employed by the district. The appropriate administrator shall then sustain or deny the allegations.

If the appropriate administrator sustains any or all of the allegations, they shall order the correction or removal and destruction of the information. If the appropriate administrator denies any or all of the allegations and refuses to order the correction or removal of the information, the student, within thirty (30) days of the refusal, may appeal the decision in writing to the superintendent/president.

Within thirty (30) days of receipt of an appeal, the Board of Trustees shall, in closed session with the student and the employee who recorded the information in question, determine whether to sustain or deny the allegations. If the board sustains any or all of the allegations, it shall order the superintendent/president or designee to immediately correct or remove and destroy the information. The decision of the board shall be final. If the final decision is unfavorable to the student, the student shall have the right to submit a written statement of objection to the information. This statement shall become a part of the student's record until the objected information is corrected or removed.

Whenever there is included in any student record information concerning any disciplinary action, the student shall be allowed to include in such record a written statement or response concerning the disciplinary action.

Whenever there is included in any student record information concerning any disciplinary action in connection with any alleged sexual assault or physical abuse or threat of sexual assault, or any conduct that threatens the health and safety of the alleged victim, the alleged victim of that sexual assault or physical abuse shall be informed within three (3) days of the results of the disciplinary action and the results of any appeal. The alleged victim shall keep the results of that disciplinary action and appeal confidential.

Access Log

A log or record shall be maintained for each student record that lists all persons, agencies, or organizations requesting or receiving information from the record and their legitimate interests. The listing need not include any of the following:

- Students seeking access to their own records.
- Parties to whom directory information is released.
- Parties for whom written consent has been executed by the student.
- Officials or employees having a legitimate educational interest.

The log or record shall be open to inspection only by the student and the Director of Admissions and Records, and by the Comptroller General of the United States, the Secretary of Education, an administrative head of an education agency, and state educational authorities as a means of auditing the operation of the system.

(Sources: MCCD Board Policy/Administrative Procedure 5040 and MCCD Administrative Procedure 5045. All MiraCosta College board policies and administrative procedures are located on the Board of Trustees webpage *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*).)*

Student Rights & Grievances

The purpose of MiraCosta College's Student Rights and Grievances Procedure (Administrative Procedure 5530) is to provide an efficient and equitable means of resolving student grievances. This procedure is available to students who believe a decision or action by an instructor, a college official, or another student has adversely affected their status, rights, or privileges as a student.

The college has a central point of contact on all three campuses. Please use the CARE Referral Form (https://cm.maxient.com/reportingform.php?MiracostaCollege&layout_id=1), found on the Student Affairs webpage (https://www.miracosta.edu/student-services/student-affairs/), if you are in need of support or have a concern about anyone's behavior. If it is an emergency or related to immediate safety, please call College Police at 760.795.6640.

Grievances related to course grades are addressed in MCCD Board Policy 4231: Grade Changes and Administrative Procedure 4231: Grade Changes.

For grievances related to sexual harassment, sexual assault, or discrimination (i.e., age, ancestry, citizenship status, color, physical disability, mental disability, ethnic group identification, sex, gender, gender identity, gender expression, genetic information, marital status, medical condition, national origin, parental status, race, religion, sexual orientation, or military and veteran status, or because they are perceived to have one or

more of the foregoing characteristics), students should contact the Title IX Coordinator, Deputy Title IX Coordinators, and/or the MiraCosta College Police Department. Staff members in those areas will assist students with the correct processes for resolution.

Complaint and investigation policies and procedures related to harassment and discrimination (including sexual assault, sexual violence, dating violence, stalking, and domestic violence) can be found in Board Policy 3433: Prohibition of Sexual Harassment under Title IX, Administrative Procedure 3433: Prohibition of Sexual Harassment under Title IX, Administrative Procedure 3434: Responding to Harassment under Title IX, and Administrative Procedure 3435: Discrimination and Harassment Complaints and Investigations.

This procedure does not apply to the following:

- Student conduct, which is covered under Administrative Procedure 5500: Standards of Student Conduct and Administrative Procedure 5520: Student Conduct Procedures.
- Traffic tickets. Those complaints must be made to the local courts.
- Parking tickets. Those complaints must be made at the College Police Office.
- Grievances related to sexual harassment, sexual assault, or discrimination.

Definitions

- **The college**: This means MiraCosta Community College District.
- **Grievance**: A statement of a complaint about something believed to be wrong or unfair.

A student who has a concern or complaint must first follow the conflict resolution process, which is described below. The Student Affairs Department can assist a student with navigating the complaint process (https://www.miracosta.edu/student-services/concerns-and-complaints/).

Conflict Resolution

To resolve any issues with a faculty member, the student should make a reasonable effort to follow the steps listed below:

1. 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.
2. If the concern or complaint is not resolved satisfactorily by contacting the faculty member, contact the faculty member's department chair or department faculty designee in person, by email, or by telephone. The department chair or department faculty designee will determine if the student contacted the faculty and, if applicable, explore their reasons not to do so.
3. If the concern or complaint is still not resolved, contact the faculty member's dean in person, by email, or by telephone. The dean will determine if the student contacted the faculty and/or department chair and, if applicable, explore their reasons not to do so.
4. If the concern or complaint is still not resolved, contact the dean of Student Affairs, the director of Student Services at the San Elijo Campus, or the director of Student Services at the Community Learning Center to explore other possible options to address the concern.

To resolve any issue with a staff member or administrator, the student should make a reasonable effort to follow the steps listed below:

1. 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.
2. If the concern or complaint is not resolved satisfactorily, contact the appropriate supervisor in person, by email, or by telephone.
3. If the concern or complaint is still not resolved, contact the appropriate dean or department head in person, by email, or by telephone.
4. If the concern or complaint is still not resolved, contact the dean of Student Affairs, the director of Student Services at the San Elijo Campus, or the director of Student Services at the Community Learning Center to explore other possible options to address the concern.

To resolve a conflict with another student, the student with the complaint should make a reasonable effort to follow the steps listed below:

1. If appropriate, discuss the issue with the other student directly in person, by email, or by telephone unless there is a valid reason (student feels intimidated, other student unavailable after several attempts, etc.) to omit this step.
2. Meet with the dean of Student Affairs, the director of Student Services at the San Elijo Campus, the director of Student Services at the Community Learning Center, or designee in person to explore other possible options to address the concern.

** All MiraCosta College board policies and administrative procedures are located on the* Board of Trustees webpage *(*https://www.miracosta.edu/office-of-the-president/board-of-trustees/board-policies-and-administrative-procedures.html*)*.

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

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

Arce Michael (2026) Sociology
B.A., M.A., California State University, San Marcos

Arenivar Sam (2005) Communication
B.A., M.A., San Francisco State University

Argueta Marina (2025) Earth Science, Geology & Oceanography
B.S., M.S., Ph.D., University of California, Los Angeles

Arquero Kristine (2017) Chemistry
B.S., University of California, Berkeley; M.S., City University of New York; Ph.D., University of California, Irvine

Arriola Kyle (2023) Organic Chemistry
B.S., University of Redlands; Ph.D., University of California, Riverside

Askerneese Adrean (2009) Counselor
B.A., Point Loma Nazarene University; M.S., San Diego State University; M.M.F.T., Ed.D., University of Southern California

Ayala-Swindell Iris (2025) Career Counselor
B.S., University of Delaware; M.S., Southern Illinois University - Carbondale

Bailey Suzie (2009) Biology
B.S., Ph.D., University of California, San Diego

Balcazar Yesenia (2015) EOPS Director
B.A., California State University, San Marcos; M.A., San Diego State University

Barnett Danielle (2024) Psychology
B.A., San Diego State University; Psy.D., The Chicago School of Professional Psychology

Beltran Angela (2005) Mathematics
B.S., University of California, Los Angeles; M.S., California State University, Los Angeles

Berrien Markus (2022) COUN
B.A., University of California, San Diego; M.A., San Diego State University; Ed.D., University of Southern California

Bishop Eric (2000) Dramatic Arts
B.A., California State University, Fresno; M.F.A., California State University, Fullerton

Bloss Veronica (2019) EOPS/CARE Counselor
B.A., California State University, San Marcos; M.A., San Diego State University

Boland Phillip (2020) Film Studies
B.A., University of North Carolina, Greensboro; M.F.A., Art Center College of Design

Bolaños Theresa (2009) Chemistry
B.S., University of Houston; Ph.D., University of Texas, Austin

Bond Robert (2014) History
B.A., California State University, Fullerton; M.A., Ph.D., University of California, Los Angeles

Bonds David (2001) Mathematics
B.A., University of California, San Diego; M.A., University of California, Santa Cruz

Burd Abby (2020) Mental Health Counselor
B.A., Wesleyan University; M.S.W., San Diego State University

Burman Anthony (2008) English, Literature
B.A., University of San Diego; M.A., San Diego State University

Carey Giana (2020) Nursing
B.A., B.S.N., California State University, San Marcos; M.S.N., University of Phoenix

Carstensen Eric (2009) Accounting
B.A., University of California, San Diego; M.B.A., National University

Castaneda Garcia Ignacio (2025) Automotive Technology
A.S., Cuyamaca College; B.S., Rio Honda College

Chan Keith (2026) Anthropology
B.S., University of California, Berkeley; M.S., Ph.D., University of Missouri, Columbia

Chapeton-Lamas Nery (2014) Computer Science
B.S., University of California, Irvine; M.S., University of Iowa

Chin Adam (2025) Philosophy
B.A., University of California, San Diego; M.A., Ph.D., University of California, Irvine

Choi Min (2021) Media Arts and Technology
B.A., San Diego State University; M.F.A., Vermont College of Fine Arts

Clarke Elizabeth Dinamarca (2009) Noncredit English as a Second Language
B.S., Universidad de Santiago de Chile; M.A., Alliant International University

Clarke Paul (2003) Design
B.S., California State Polytechnic, Pomona; M.A., California State University, Long Beach; M.B.A., University of Southern California

Cleveland Karl (2006) Multimedia Technology
B.A., University of California, San Diego; M.A., San Diego State University

Cluff Leah (2011) Art
B.A., University of California, San Diego; M.A., University of New Mexico

Collins Laney (2018) Counselor
B.A., University of San Diego; M.S., National University

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

Coronado Amena (2023) Philosophy
B.A., M.A., University of Toledo; Ph.D., University of California, Santa Cruz

Cotnoir Leigh (2015) Media Arts and Technology
B.A., Louisiana State University; M.F.A., San Diego State University

Crakes Ailene (2024) Dean, Counseling and Student Development
B.A., California State Polytechnic University, Pomona; M.S., National University; Ph.D., University of Cumberlands, Williamsburg, Kentucky

Cueva Monica (2025) English as a Second Language
M.S., California State University, Fullerton

Dalton Olivia (2026) Nursing, Mental and Psychiatric Health
B.S., Fresno Pacific University; M.S., Point Loma Nazarene University; D.N.P., Chamberlain University

Davis Ashley (2020) Child Development
B.A., University of California, San Diego; M.S., San Diego State University

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; Ed.D., San Diego State University; Advanced Certificate in Lesbian, Gay, Bisexual, and Transgender (LGBT) Studies, San Diego State University

Diaz Zulema (2016) English, Literature
B.A., M.S., University of California, San Diego

Dicker Rich (2019) Medical Admin Professional
B.S., University of Phoenix; M.S., Colorado State University

Doig Lesley (2011) History
B.A., University of California, Santa Cruz; M.A., University of California, Riverside

Dua Arti (2014) Counselor
B.A., San Diego State University; M.S., National University

Duarte Karina (2016) SSSP Counselor
B.A., California State University, Long Beach; M.S., California State University, Northridge

Dunbar Keith (2000) Mathematics
B.A., San Diego State University; M.S., California State University, San Marcos

Duncan Yvette (2007) Nursing
B.S.N., San Diego State University; M.S.N., Point Loma Nazarene University

Duran Erica (2016) Noncredit English
B.A., M.A., California State University San Marcos

Eggleton Xuchi (2021) Art
B.A., San Dego State University; M.F.A., San Francisco Art Institute

Eso Steve (2004) Psychology
B.A., California State Polytechnic University, Pomona; M.A., University of Victoria

Estrella Roland (2008) Nursing
B.A., San Diego State University; M.S., University of Phoenix

Falero Roberto (2019) Oceanography, Geology, Earth Sciences
B.S., M.S., University of California, Riverside

Falker Matthew (2006) Music
B.M., Western Michigan University; M.M., University of Southern California

Fallstrom Scott (2011) Math Learning Center Coordinator
B.A., M.S., Eastern Washington University

Fanning Sean (2021) Theatre Design & Technology
B.F.A., Sonoma State University; M.F.A., San Diego State University

Farnam Michelle (2006) Counseling
B.A., California State University, Fullerton; M.A., Pepperdine University

Fast Lisa (2009) Psychology
A.A., MiraCosta College; B.A., M.A., Ph.D., University of California, Riverside

Felton Kellita (2024) PHYS
B.A., Spelman College; M.A., San Diego State University

Ferrieri Abigail (2026) Horticulture
B.A., College of the Holy Cross; Ph.D. University of Missouri

Figueroa Maria (2008) English
B.A., University of California, San Diego; M.A., Dartmouth College

Fino Michael (2004) Dean, Natural and Social Sciences
B.S., M.Eng., University of California, San Diego; Ed.D., San Diego State Univerity

Firouzian Shawn (2017) Mathematics
B.A., B.S., University of Missouri, St. Louis; M.A., M.S., University of Maine

Fisher Kaitlin (2018) Chemistry
B.S., Sonoma State University; M.S., Ph.D, University of California, San Diego

Flocken Lise (2002) Director, Transfer Center
B.A., University of California, San Diego; M.S., Ed.D., United States International University

Flores Claudia (2015) Child Development
B.S., San Diego State University; M.A., National University

Fohrman Jonathan (2013) Dean, Arts, International Languages, and Ethnic Studies
B.A., University of Washington; M.A., University of Washington

French Rica Sirbaugh (2004) Astronomy
B.S., Middle Tennessee State University; M.A., University of Texas, Austin

Fulbright Robert (2006) Health, Kinesiology
B.S., M.S., California State University, Northridge; Ph.D., Northcentral University

Gamboa Benjamin (2021) Associate Dean, Career Education
B.S., Regis University; M.B.A., University of Redlands

Gardiner Yana (2016) Nursing
B.S.N., Olivet Nazarene University; M.S.N., University of Phoenix

Gay Ruth (2007) Noncredit English as a Second Language
B.A., M.A., Azusa Pacific University

Gomez Elba (2025) Assistant Superintendent/Vice President of Administrative Services
B.S., DeVry University; M.S., Keller Graduate School of Management; Ph.D., University of Southern California

Gomez Ruben (2020) Administration of Justice
B.A., California State University, Fullerton; M.A., Chapman University; M.S., California State University, Long Beach

Gomez-Zinn Hilda (1996) Counseling
A.A., Southwestern College; B.A., M.A., San Diego State University

Gonzales Natalie (2024) Nursing
B.S., Western Governors University

Gonzalez-Karlsson Adrea (2025) Biological Sciences - Evolution
B.A., University of California, Berkeley; Ph.D., University of California, Los Angeles

Goueth Pierre (2007) Chemistry
B.S., M.S., Ph.D., University of Picardie, France

Green Ansina (2022) Child Development
B.A., University of La Verne; M.Phil., Walden University; M.A., Pacific Oaks College

Greenwald Lauren (2018) Photography
B.A., College of Charleston; M.F.A., University of New Mexico

Gross Mary (2005) English as a Second Language
B.A., California State Polytechnic University, Pomona; M.S., California State University, Fullerton; Certificate in Online Teaching, University of California, Los Angeles

Guerrero Jorge (2022) Counselor, Transfer Center
B.A., California State University, Long Beach; M.A., San Diego State University

Gunn Billy (2014) Film
B.A., Arizona State University; M.A., Brigham Young University; M.A., Ph.D., University of Southern California

Ha Thao (2007) Sociology
B.S., University of Houston, University Park; M.A., University of Texas, Austin; Ph.D., University of Texas, Austin

Hagen Kelly (2008) English
B.A., University of California, Santa Cruz; M.A., San Francisco State University

Halsted Lauren (2025) Dean, Humanities, Communication Studies, and Math
B.A., University of California, Santa Barbara; M.A., San Francisco State University; Ed.D., San Diego State University

Hastings Rachel (2018) Communication
B.A., California State University, Chico; M.A., California State University, Long Beach; Ph.D., Southern Illinois University, Carbondale

Hayashi Yoshimi (2001) Art
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B.A., California State University, Chico; M.A., Arizona State University

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B.S., Brigham Young University; M.S., Ph.D., University of California, San Diego

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B.S., M.A.T., Willamette University; Ed.D., SDSU-USD Joint Doctoral Program

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Certificate in Automotive Technology, MiraCosta College; Automotive Service Excellence|ASE|certified technician

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M.S., Marathwada University, India; Ph.D., Osmania University, India

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B.A., M.A., San Francisco State University

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B.A., Augustana University College; M.M., University of Calgary; D.M.A., University of Texas, Austin; Certificate in Arts Administration, Grant MacEwan College

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Mercado Serena (2018) Mathematics
B.S., M.S., California State University, San Marcos

Mercuri Emily (2022) Nursing
B.S., Grand Canyon University

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Morgado Pedro (2018) Biological Sciences
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Ongyod Anthony (2009) Communication
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Glossary

Academic Terms and Definitions

A

- **Academic and Career Pathways (ACPs).** Collections of majors with related courses that fit within a career area. ACPs help students narrow down their area of focus and begin developing an educational plan that leads to degree or certificate completion or transfer. (See Degree and Certificate Programs (https://www.miracosta.edu/academics/degree-and-certificate-programs/).)
- **Academic Map.** A term-by-term suggested sequence of courses for obtaining a certificate or degree or for preparing to transfer in a major/program. Academic maps are available under the Academic and Career Pathways on the college website. (See Degree and Certificate Programs (https://www.miracosta.edu/academics/degree-and-certificate-programs/).)
- **Academic Renewal.** A process through which students can petition to exclude low grades from their MiraCosta College grade point average. The grades must be from classes completed at least two years prior; a maximum of 30 units may be excluded. Petition forms are available at the Admissions and Records Office. (See Academic Renewal (p. 377) under Academic Standards & Policies.)
- **Advisory.** Recommended preparation that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program. Students have the right to take a course without meeting the advisory and are encouraged to do so if they feel that their education, work experience, or other circumstances have prepared them.
- **Application for Admission.** This form must be completed before a new student is allowed to register for classes. Returning students who have missed one semester (excluding summer intersession) must submit a new application. The application form is available from the Admissions & Records Office and website (https://www.miracosta.edu/student-services/admissions/).
- **Area of Study.** An academic discipline or subject.
- **Articulation Agreements.** A list of courses offered at MiraCosta College that are acceptable at transfer universities as equivalent in content (or as acceptable substitutes) to those courses offered by the universities.
- **Assessment.** Testing to meet course prerequisites and/or to determine proper placement in courses.
- **ASSIST.** The official transfer and articulation system for California's public colleges and universities. The ASSIST.org website contains all articulation agreements between California community colleges and University of California and California State University campuses. (See www.assist.org (http://www.assist.org).)
- **Associate Degree (AA, AS, AA-T, AS-T).** A degree awarded upon completion of lower-division coursework totaling not fewer than 60 semester units in the major, general education, and electives. (See Associate Degrees (p. 73).)
- **Associate Degree for Transfer (ADT).** A degree designed to provide a clear pathway to a California State University (CSU) major and baccalaureate degree. It requires completion of lower-division coursework totaling not fewer than 60 semester units in the major, general education, and electives. California community college students who are awarded an ADT are guaranteed priority admission with junior status to a participating CSU campus and given priority admission to their local CSU campus. (See Associate Degrees (p. 73).)

B

- **Bachelor's or Baccalaureate Degree (BA, BS).** A degree received upon completion of coursework totaling a minimum of 120 semester units. These units include lower- and upper-division major and general education courses as well as electives.

C

- **California General Education Transfer Curriculum (Cal-GETC)**. A general education pattern that California community college transfer students can use to fulfill all lower-division general education requirements at any CSU or UC campus.
- **Catalog.** A publication that describes the college's academic programs, courses, student services, requirements, policies, and procedures.
- **Catalog Rights.** Rights that protect students from being held responsible for changes made to their academic programs in the years that follow their initial enrollment. These rights are established when a student first takes classes at MiraCosta College and are maintained through continuous enrollment at the college (see Continuous Enrollment). The catalog used to determine graduation eligibility is the catalog operating at the time the student began continuous enrollment at MiraCosta unless the student's petition requests a different catalog.
- **C-ID.** A common number assigned to comparable courses within the California community college system. When a C-ID number is listed in the catalog or schedule at the end of a MiraCosta course description, students can be assured that it will be accepted in lieu of a course bearing the same C-ID designation at another community college. The C-ID designator means the course is comparable in content and scope to a similar course offered by participating California community colleges. (See C-ID Courses (p. 30).)
- **Certificate.** Awarded upon completion of coursework leading to proficiency or achievement, usually in a vocation or occupation.
- **Class Schedule.** A listing of classes to be offered during a specific semester (fall, spring, summer). The schedule also contains an online registration schedule, testing dates and times, and general information of interest to new and continuing students.
- **Committee on Exceptions.** A process through which students can petition to deviate from the college's policies and procedures. Petition forms are available in the Admissions and Records offices.
- **Common Course Number (CCN).** Transfer-pathway courses that California community colleges have in common share identical four-digit course numbers preceded by a "C," identical four-letter subject abbreviations, identical titles, and similar descriptions.
- **Community Services Classes.** Classes or workshops that are fee-based, noncredit enrichment courses. Neither credit nor grades are given, and no records are kept. (See Community Education & Workforce Development (p. 371).)

- **Continuing Education (Tuition-Free Noncredit).** Tuition-free courses offered as part of the Adult High School (p. 348) and other authorized categories of noncredit instruction. (See Noncredit Courses (p. 360).)
- **Continuous Enrollment.** To be considered continuously enrolled, a student must have received a letter grade (including "W") for each semester from the semester of initial enrollment to the semester when all degree and/or certificate requirements are completed. A one-semester leave does not negate a student's continuing status.
- **Corequisite.** A course that a student is required to take during the same semester or term with another course. Corequisites are enforced through the registration process.

D

- **Distance Education (DE).** Education that uses one or more technologies (such as the Internet) to deliver instruction to students who are separated from the instructor and to support regular and substantive interaction between the students and instructor either synchronously (at specific days/times) or asynchronously (not at specific days/times).

E

- **Educational Plan.** A suggested pathway of courses for students based on their major, transfer goals, or other objectives.
- **Electives.** Courses students choose, allowing them to study topics of personal interest. Electives, when added to a program's major and general education requirements, make up the total number of units needed to complete a degree program.
- **EOPS (Extended Opportunity Programs and Services).** Provides outreach and special assistance to students from culturally, educationally, or financially disadvantaged backgrounds. (See EOPS (p. 47).)

F

- **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. 47).)
- **Free Application for Federal Student Aid (FAFSA).** Application required for federal financial aid eligibility determination. The form is available in the Financial Aid Office or electronically at https://studentaid.gov/h/apply-for-aid/fafsa. The FAFSA can be used at community colleges and four-year institutions. A new application is required each academic year.
- **Full-Time Credit Student.** One who takes classes equaling 12 or more units per semester.

G

- **General Education (GE).** Courses designed to help students achieve a working knowledge of core subjects that are organized by discipline areas, such as English composition, mathematics, and social and behavioral sciences. (See General Education (https://catalog.miracosta.edu/degreecertificatetransferinfo/generaleducationplans/) for links to MiraCosta's two 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.

H

- **Half-Time and Three-Quarter Time Credit Student.** One who takes classes equaling 6–8.5 units per semester is considered half-time; 9–11.5 units is three-quarter time.
- **Honors Program.** An academic program offering the possibility of graduating with honors and priority or guaranteed admission to certain competitive four-year colleges and universities. (See Honors Program (p. 58).)
- **Hybrid Course.** A course that is taught partially on a MiraCosta campus and partially online.
- **HyFlex Course**. A course that is taught simultaneously onground on a MiraCosta campus and virtually through Zoom.

L

- **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.

M

- **Major.** A specialized area of study that leads to a degree or certificate.
- **Major Electives.** Courses students choose from a group of courses that are directly related to their major. Major electives, when added to a degree or certificate program's core requirements, help make up the total number of units needed to complete the degree or certificate program.
- **Matriculation.** An application, assessment, orientation, and advisement process for new students. (See Matriculation (p. 19).)
- **Medal of Academic Merit.** The college's highest academic honor awarded annually to recognize selected students' academic achievements. Faculty members nominate the recipients. (See Academic Awards (p. 58).)

N

- **Non-Degree Applicable Courses.** Includes basic skills or college-preparatory courses (numbered 0 to 49) that do not apply toward the associate degree and are not intended for transfer to a four-year college or university.
- **Non-Resident Fee.** The law requiring that out-of-state students pay extra tuition.

O

- **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.

P

- **Part-Time Credit 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. 58).)
- **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. 58).)

R

- **Registration.** Signing up for specific classes and paying fees.

S

- **SAS (Student Accessibility Services).** Assists students who seek academic accommodations due to a documented disability. (See SAS (https://www.miracosta.edu/student-services/sas/).)
- **Semester.** A 16-week period of coursework offered fall and spring.
- **Sophomore.** A student who has completed at least 30 but fewer than 60 degree-applicable units of college credit.
- **Student Learning Outcome (SLO).** Student learning outcomes identify the knowledge, skills, abilities, and attitudes that students will be able to demonstrate as a result of their engagement in a particular course, program, or collegiate experience.
- **SURF.** MiraCosta's online registration and student center.
- **Syllabus.** An instructor-prepared and distributed statement of a course's objectives, expected student learning outcomes, attendance requirements, grading practices, required reading, due dates for assignments, and schedule of examinations.

T

- **TAG (Transfer Admission Guarantee).** TAG programs guarantee qualified MiraCosta students admission to most University of California campuses. (See UC Transfer (p. 89).)
- **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 Learning Centers (https://miracosta.edu/student-services/tutoring/) to work with an enrolled student in need of help with coursework.

U

- **Units Attempted.** Credit units (see Unit of Credit) in which the student was enrolled.
- **Unit of Credit.** A credit hour of college work involving approximately one-to-three hours per week of lecture, activity, or laboratory with a credentialed instructor for a semester. Students are expected to spend two hours outside of class in preparation for each hour of lecture. Less outside preparation time is expected for laboratory courses. One unit of credit is thus understood to represent at least three hours of the student's time each week for a semester.
- **Unit Limitations.** A normal full-time study load per semester is 12-15 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.

W

- **Wait List.** A list of students waiting to register for a closed class.
- **Work Experience.** A program that combines classroom studies with on-the-job experience. (See Work Experience Education (p. 64).)

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ACKNOWLEDGEMENTS

The 2026–2027 MiraCosta College Catalog was prepared by the Office of Instruction using Leepfrog's CourseLeaf Academic Catalog Management System.

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MiraCosta College

Transforming Lives & Communities