



2024-2025
MISSION COLLEGE

Catalog

Important Dates

ACADEMIC YEAR 2024-2025

Fall Semester 2024

August 24
August 26
September 2
September 8
September 8
September 9
November 11
November 15
November 28-30
Last day of instruction before the final exam
December 7-13

August 24, 2024 – December 13, 2024

Saturday classes begin
Monday-Friday classes begin
Campus closed/No classes - Labor Day
Last day to add a full semester course (add code required)
Last day to drop a full semester course without a "W" and receive a refund
Census for full-term courses
Campus closed/No classes - Veterans' Day observed
Last day to withdraw from full-term classes with a "W" (without a refund)
Campus closed/No classes - Thanksgiving Break
Deadline to request Pass/No Pass grade option
Final exams

Winter Session 2025

January 2
January 20
January 23

January 2, 2025 – January 23, 2024

First Day of Classes
Campus Closed/No Classes - Martin Luther King Jr. Day
Last day of class

Spring Semester 2025

January 25
January 27
February 9
February 9
February 10
February 14-17
March 31-April 5
March 31
April 25
Last day of instruction before the final exam
May 17-23

January 25, 2024 – May 23, 2024

Saturday classes begin
Monday-Friday classes begin
Last day to add a full semester course (add code required)
Last day to drop a full semester course without a "W" and receive a refund
Census for full-term course
Campus closed/No classes - Presidents' Days
Spring Break
Campus closed/No classes - Cesar Chavez Day
Last day to withdraw from full-term classes with a "W" (without a refund)
Deadline to request Pass/No Pass grade option
Final exams

Summer Session 2025

Exact instruction dates are to be determined. Typically courses are offered on a 6 or 8-week calendar during the months of June and July. In April 2025, please check the college website for the Summer 2025 Class Schedule.

*In courses other than semester length, consult the Office of Admissions and Records or the instructor regarding add, drop, withdrawal, refund, and grading option deadlines.

Final Exams: All full semester courses are required to meet during finals week. A final examination or other learning activity will be required of all students in all courses during the last week or at the last scheduled class meeting of each term. Students are expected to attend classes during finals week. Final examinations will not be given in advance of scheduled times unless special permission to do so is granted by the instructor in exceptional cases.



MISSION COLLEGE

Catalog

2024-2025



**MISSION
COLLEGE**

SANTA CLARA

3000 Mission College Blvd
Santa Clara, CA 95054-1897
(408)855-5007

missioncollege.edu

Welcome to MISSION COLLEGE



On behalf of the faculty, classified professionals, and administrators of Mission College, I want to welcome you to our campus. I am incredibly excited that you are joining our Mission College Community. Whether you are starting college for the first time or returning to college, you will find your mission here.

At Mission, we strive to create a campus culture where you belong, feel seen, and can bring your full and authentic self to your educational journey. What makes Mission so special is the people. Our team members and our students work to create a culture of warmth, welcome, and a deep sense of purpose. I know that you will experience this warm welcome and so much more as you join us on-campus and online.

We are dedicated to your success and offer many different opportunities to be successful, including in-person courses, online courses, evening, weekend, and short-term eight-week courses. At Mission, we will meet you where you are and support you as you find your way to achieving your dreams.

The entire Mission College team cares about your personal and professional success and we will be with you every step of the way. If you have any questions or need assistance, stop by or live chat with our Welcome Center and our wonderful ambassadors will meet you online, in-person or over email. Our faculty, classified professionals, and administrators, representing diverse backgrounds, share an unwavering commitment to your success.

We have many resources in place to ensure you have all the tools you need to thrive, both inside and outside the classroom. Whether it's providing you with complimentary laptops and high-speed Wi-Fi, assisting with housing and food, or offering various support services, we've got you covered. And as a new initiative for this spring, we're excited to offer free tuition to all in our service area.

Remember that you are in control of your future and the decisions you make today will impact that future. We are here for you and I look forward to seeing you on campus and celebrating with you on the graduation stage. Our campus community is invested in you and your success!

Instagram: @missionscpres

X: @seherawan13

Seher Awan, Ed.D, MBA, MPA
President, Mission College

OUR MISSION

Mission College serves the diverse educational needs of our student population by providing equitable access and support towards completing associate degrees and certificates aligned with transfer and career pathways to meet educational and personal goals as well as the workforce demands of the city of Santa Clara and Silicon Valley.

OUR VISION

Empowering every student to find their mission.

OUR VALUES

- Community
- Continuous Learning
- Curiosity
- Equity
- Excellence
- Inclusivity
- Innovation
- Integrity
- Social Justice
- Sustainability

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About Mission College



missioncollege.edu/gen_info

History of the West Valley-Mission Community College District and Mission College

The first public meeting convened to address the formation of the West Valley Joint Community College District was held in July 1962. In October 1962, the California State Board of Education approved the District's formation, and in January 1963, the voters residing within the Campbell, Los Gatos-Saratoga, and Santa Clara High School Districts established the District.

The first college, West Valley, opened on a temporary site in Campbell in 1964 and moved to its permanent campus in Saratoga in 1968.

In Fall 1975, Mission's first classes were held at 3585 Monroe Street, the site of the former Jefferson Intermediate School. By December, the college had 1000 students and 32 faculty.

Groundbreaking for the 160-acre site of Mission's current home was on July 9, 1976. On September 5, 1979, classes began in the Main Building and a gala was held four days later. The last piece of the building fell on February 11, 2019. This marked the beginning of a new era for the campus, as plans were set in motion to develop additional facilities. These included a Central Plaza, theatre space, STEM Center, and Business Technology Building, all aimed at enhancing the educational environment and supporting future growth.

Accreditation

Mission College is accredited by the Accrediting Commission for Community and Junior Colleges (ACCJC) of the Western Association of Schools and Colleges (WASC), 428 J Street, Suite 400, Sacramento, CA 95814, (415) 506-0234, accjc@accjc.org, an institutional accrediting body recognized by the Council for Higher Education Accreditation and the U.S. Department of Education. Additional information about accreditation, including the filing of complaints against member institutions, can be found at www.accjc.org. Mission College is fully accredited with the next accreditation cycle beginning in 2027.

Some programs are accredited by additional, external agencies.

- The Registered Nursing (LVN to RN) Associate of Science degree program is accredited through the California Board of Registered Nursing
- The Vocational Nursing Associate of Science degree program and the certificate program are accredited by the California State Board of Vocational Nursing and Psychiatric Technician
- The Certified Nursing Assistant (CNA) Program is accredited by the California Department of Public Health

Minority-Serving Institution

Mission College is proud to be both a Hispanic-Serving Institution (HSI) and an Asian American, Native American, and Pacific Islander Serving Institution (AANAPISI). The college has received significant federal grant funds to further enhance the services we offer and to support the success of students across the college.

Equal Opportunity and Non-Discrimination

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

Mission College is an Affirmative Action, Equal Opportunity Employer and in compliance with Section 504 of the Rehabilitation Act of 1963, Title IX of the Education Amendments of 1972, and Title VI of the Civil Rights Act of 1964.

Complete district policies regarding nondiscrimination, AP 3900 (Nondiscrimination), can be found at go.boarddocs.com/ca/wvm/Board.nsf/vpublic?open.

Statement of Academic Freedom

The West Valley-Mission Community College District recognizes that democratic participation, positive social change, and moral education, as well as scientific and technological advancement, all require the free exchange of ideas and information. Therefore, the District is committed to the free expression of diverse viewpoints on the part of faculty and students, as well as encouraging critical examination of these various perspectives. The District is also committed to the conduct of research and observation of the natural world unimpeded by social, religious, political, or theoretical biases and prejudices.

Academic freedom is the right of faculty members to interpret scholarly findings and communicate conclusions without being subject to harassment when those conclusions are at variance with popularly held beliefs or opinions. Faculty members have a corresponding obligation to study, present, interpret, and discuss facts and ideas concerning their fields of knowledge in a responsible manner. The faculty member will acknowledge the facts on which controversial views are based and show respect for reasonable opinions held by others.

Institutions of higher education operate not to further the interests of either the individual faculty member or the institution as a whole, but rather for the common good. In a democratic society, the common good depends upon the free search for truth and its free exposition. Academic freedom is essential to these purposes and applies to both teaching and research. Freedom in research is fundamental to the advancement of truth, while academic freedom in teaching is essential for both the uninhibited expression of scholarly findings and ensuring the fullest student engagement with ideas.

The West Valley-Mission Community College District therefore asserts unequivocally that academic freedom is a right possessed by all faculty members and recognizes that academic and intellectual freedom is best protected by a system of tenure, academic due process, and policies and procedures that provide faculty with the opportunity to freely express themselves in any on or off-campus venue. Additionally, the District asserts that the common good obligates the District community to defend academic freedom in society as a whole.

Complete district policy regarding academic freedom, AP 4030 (Academic Freedom), can be found at [link]. This catalog contains accurate information at the time of publication. However, policies are updated regularly, so please consult the website to ensure you have the most up-to-date policy information.

Continuous Enrollment and Catalog Rights

Students who maintain continuous enrollment, meaning they attended at least one semester, summer or winter session during the academic year, may choose to graduate under the catalog in effect at the time they first enrolled at Mission College or any catalog up to the time of graduation. Students who are considered returning students, meaning those who did not attend for a year or more before returning to college, must follow the catalog requirements in effect at the time of re-enrollment.

Documented military, not exceeding two years, will not be considered an interruption of continuous enrollment. For the purpose of catalog rights, the academic year begins each fall and ends with the subsequent summer session. This catalog spans July 1, 2024, through June 30, 2025, providing graduation requirements for all students who begin their study or re-enroll during this period.

Catalog Disclaimer

Mission College and the West Valley-Mission Community College District have made every reasonable effort to determine that everything stated in this catalog is accurate. Courses and programs offered, together with other information contained herein, are subject to change without notice by the administration of Mission College for reasons related to student enrollment, level of financial support, or for any other reason, at the discretion of the College.

The College and the District further reserve the right to add, amend, or repeal any of their rules, regulations, policies, and procedures, in compliance with applicable laws.

This publication is available in alternative media upon request. Please contact the Disability Support Programs and Services in the Campus Center (CC), Room 240, or call (408) 855-5085 or TTY (408) 727-9243.

While this catalog contains many college and district policies, all district policies can be accessed at: go.boarddocs.com/ca/wvm/Board.nsf/public#.

Alternative Media

This publication is available in alternative media on request. Please contact the Disability Support Programs and Services in the Campus Center (CC), Room 240, or call (408) 855-5085 or TTY (408) 727-9243.

Photography Policy

Mission College may use photographs and videos of students and visitors taken on campus or at college events for marketing purposes. If you do not want your photo to be used, contact the Marketing and Public Relations Office in the Student Engagement Center (SEC), Room 348.



Using My Mission Portal



missioncollege.edu/portal

The My Mission Portal is the College's central hub to online services. New applicants and reapplying returning students will be provided a link to the portal setup in their welcome email from the college. Students should set up their access to and explore the portal upon receipt of the welcome email.

From the My Mission Portal students are able to:

Complete Class Registration Tasks

- Acknowledge placements for English and Math class enrollment
- Confirm your assigned registration date
- Browse the online class schedule
- Register for and drop classes
- See important dates for courses such as drop deadlines, refund deadlines, W-deadlines, etc
- View/print your personal class schedule

Complete Financial Tasks and Transactions

- Submit financial aid requirements and forms online
- Pay enrollment, tuition, and other fees
- Sign up for a payment plan

Manage Academic Records

- Order official transcripts
- Print unofficial transcript
- Change your major
- Apply for Graduation
- Access your educational plan, and check your progress toward your goal using DegreeWorks

Access other key college systems

- Canvas (online materials for classes)
- Starfish (make appointments across campus, connect with your network, receive messages and kudos from your instructors, and more!)
- DegreeWorks (check your progress toward your degree or certificate)
- Career Coach & Handshake (career and job resources)
- Access the application to join Student Success Communities

And more

- Order a free parking permit
- Update your personal information (preferred name, personal email, phone number, mailing address, emergency contact). Please note, that your default preferred email is set as your college email
- Change your log-in password

Campus Information and Services



Welcome Center

Welcome to Mission College! We are pleased to provide a broad range of services for enrolled students, prospective students, returning students, and the general public. We understand that finding and learning how to navigate our services and campus can require some assistance. One of the best places to start is our Welcome Center.

Our Welcome Center is staffed with knowledgeable and friendly Student Ambassadors, many of whom speak multiple languages to assist you. Students can visit the Welcome Center in person at its location in the main lobby of the Student Engagement Center (SEC). Assistance is also available via online chat on our website, email, and phone. The Welcome Center is always ready to assist with any need. If you aren't sure where to go, the Welcome Center is a great place to start! Key services include:

- Assisting with the admissions & registration process
- Assisting with financial aid applications and scholarship resources
- Accessing My Mission Portal, Canvas, and student email accounts, including hands-on assistance if desired
- Arranging campus tours
- Connecting you with other campus services

Associated Student Government (ASG)

missioncollege.edu/asg
Campus Center (CC), Room 231
(408) 855-5072

Students at Mission College are represented by the Associated Student Government organization which annually elects its own administrative officers and student senators who are provided with practical leadership training and education in the functions of government and leadership.

The student body elects its own student trustee to the District Board of Trustees and the Student Senate. Through ASG, all Mission College students are provided opportunities to participate in various clubs or as a student advisory committee member.

Athletics - Intercollegiate

missionsaints.com
(408) 855-5540

The college offers men's and women's sports at the intercollegiate varsity level and participates as a member of the Coast Conference. Visit our athletics website to learn more about our current teams and opportunities for student-athletes.

Students interested in participation and in learning about eligibility requirements may contact the appropriate coach or the Athletic Director at (408) 741-4606.

Bookstore

missioncollege.edu/bookstore

Mission College partners to offer students an online bookstore. Students can purchase textbooks and other required course materials by accessing the online bookstore through our website.

Students may choose to ship books to their home, or to campus for pick up in the Library in the Business and Technology (BT) building, Room 106. Returns can also be dropped off at the library or shipped back directly by you.

Campus Events

events.missioncollege.edu

A variety of events both for students and the public are always happening on campus. Visit events.missioncollege.edu to stay up to date with our events calendar.

Career and Transfer Services

missioncollege.edu/jobs

Student Engagement Center (SEC), Room 122
(408) 855-5304

Mission College provides several Career and Transfer Services. Career services include full-time and part-time internship, apprenticeship, seasonal and work study positions via our job portal College Central Network or (CCN); career exploration and decision-making process when selecting a major; a career closet for student's professional attire needs; and, career and job fairs. Transfer services include selecting and applying to various 4-year universities; completing college applications and admissions essays; completion of Admissions Guarantee applications; articulation services to ensure the classes you take at Mission College will be credited toward your bachelor's degree requirements.

Childcare/Child Development Center (CDC)

missioncollege.edu/cdc

Child Development Center
(408) 855-5173

The Mission College Child Development Center provides childcare for children of Mission College students, Mission College employees, and community members. Financial assistance and free childcare are available for low-income families who qualify. Eligibility is determined by income and availability of space.

Counseling

missioncollege.edu/counseling

Student Engagement Center (SEC), Room 139
(408) 855-5034

Counselors support the college's diverse student population with academic and personal needs. Counseling services include academic and transfer counseling; career exploration; personal and crisis counseling; and community referrals. Students are encouraged to meet with a counselor for a comprehensive Educational Plan during their first semester or by the time they have completed 15 units.

Dreamer Resources

missioncollege.edu/dreamer

(408) 855-5055

Student Engagement Center (SEC), Room 148

Mission College proudly provides unwavering support to Undocumented, DACAmented, and students from mixed-status families. Through dedicated assistance from programs like EOPS, Financial Aid, and various campus departments, we ensure that every student receives the guidance and resources needed to thrive academically and personally.

Food Assistance - Mission Market

missioncollege.edu/market

Campus Center

Mission College hosts a food pantry on the first floor of the Campus Center that distributes food per week to enrolled students. Students are encouraged to visit the Mission Market to receive free groceries for you and your family. The Mission Market is open Monday to Friday, 10 a.m. to 4 p.m.

Food Assistance - Second Harvest

missioncollege.edu/food

The college serves as a distribution location for the Second Harvest Food Bank every Tuesday from 10 a.m. - 12 p.m. in Parking Lot D. All Mission College students, and any community members who live in Santa Clara, are eligible to receive food support. Drive-thru or walk-up stations are available.

Food Services on Campus

Students may enjoy meals and snacks, from our contracted food providers on campus. Open days and hours may vary by term. You will find a full-service cafeteria with both hot and cold meals available in the Campus Center (CC). Coffee bars serving a range of hot and cold beverages and grab and go food items are in the Student Engagement Center (SEC) and the Gillmore Center (CC).

Our own Hospitality Management program runs the on-campus Mission Bistro, which is open seasonally for lunch service provided by our culinary students. More information about the Mission Bistro can be found at: missioncollege.edu/hm



Free Transit on VTA

missioncollege.edu/smartpass

Campus Center (CC), Room 231

Mission College is served by multiple direct bus routes operated by the Santa Clara Valley Transportation Agency (VTA). In addition, the area is also served by Light Rail and several other transit lines. Bus schedules may be available at the Campus Center Information Desk and Welcome Center.

Health and Mental Health Services

missioncollege.edu/health

Student Engagement Center (SEC), Room 104
(408) 855-5140

A team of health professionals, including registered nurses, consulting physicians, mental health professionals, and other health care specialists, provide various student health services. Medical services include health guidance, limited clinical services, and first aid, limited medical evaluation and treatment, blood pressure screenings, vision, hearing, pregnancy, and other conditions. Free limited services are available to any registered student.

Mental Health specific services include confidential personal and mental health counseling, Health assessment, education, and referrals to community resources are also available.

International Student Center

Institute for International Studies (IIS)

International Student Center (ISC)

missioncollege.edu/IIS

Student Engagement Center (SEC), Room 111
(408) 855-5110

The International Student Center (ISC) offers complete services to F-1 visa students including international admissions, international counselor services, and immigration advising. In addition, the ISC houses Mission College's Institute for International Studies (IIS), an Intensive English language program for students on F-1 visas who have not met the English language proficiency requirement for college admission.

Library

missioncollege.edu/library

Business and Technology Building (BT), Room 106
(408) 855-5150

The Mission College Library offers numerous resources and services to students and staff. Librarians assist students with research needs across all disciplines, while our technical team assists patrons with check out of both physical and electronic books. Our library also provides students access to computers, collaborative group study space, and study aids such as anatomy models.

The library also supports the popular Semester Text program that allows students to check-out a textbook for select courses to use for the semester at no cost. Our library is currently housed on the first floor of the Business and Technology (BT) while the library building undergoes a major renovation and modernization.

Parking

missioncollege.edu/parking

Campus Police

408-855-5435

Semester length student parking permits can be obtained for free at the Admissions and Records office during normal business hours or online via the "parking" link on the college homepage. Both Mission College and West Valley College semester permits are valid for use at either campus.

Students or visitors can also purchase daily permits at the one-day "daily" parking permit machines located in Parking Lots B, C, and D. Daily permit machines accept dollar bills, coins and credit cards. Permit pricing is based on the current Board approved parking fee schedule.

Everyone must observe all parking and traffic regulations, including permit requirements, speed limits, no-parking zones, restricted areas, loading zones, handicapped & special permit spaces, no overnight parking, etc., when parked on campus. The WVMCCD Police Department strictly enforces parking permit requirements Monday through Sunday between 7 a.m. and 10 p.m., excluding district holidays. All other regulations are enforced every day, seven days a week, 24 hours a day.

The parking staff wishes to make your parking experience a positive one and invites you to reach out to them with questions at: parking.services@wvm.edu. More details can also be found at the District parking website: wvm.edu/parking

Technology Loans for Students

missioncollege.edu/techloan

Telecommunications and Audio Visual (TAV), Room 140

Mission College provides laptop and hotspot loans for students through our Educational Technology Services. Students may submit an online loan application or visit Educational Technology Services (ETS) Department in TAV 140 during business hours.

Transportation: Ride VTA for Free

missioncollege.edu/smartpass

Campus Center (CC), Room 231

Mission College students are eligible to obtain a VTA SmartPass card for one small fee at the beginning of the term, which allows you to ride VTA for FREE for the rest of the semester! Mission College is served by multiple direct bus routes operated by the Santa Clara Valley Transportation Agency (VTA). In addition, the area is served by Light Rail and several other transit lines. Bus schedules may be available at the Campus Center Information Desk and Welcome Center.

Vargas Art Gallery

missioncollege.edu/vargas

Gillmor Center (GC), Room 102

Mission College is proud to share art works from our community members and artists throughout Santa Clara County. Visit our website to see a schedule of our changing exhibits, or plan to catch an opening reception where you can view works and meet the artists themselves.

Support for Student Success



We're Here for Your Student Journey

Mission College offers an enriching and rewarding experience, where you become an integral part of a dynamic community committed to academic excellence, passion, and collaboration. Our equity and social justice work set us apart and we deeply care about our students and their personal growth.

At Mission, we know that representation matters and you will find a supportive and inclusive programs that value diversity and encourage innovation. With a focus on breaking systemic barriers and economic justice, Mission College is pursuing real change within our institution, the lives of our students, and our surrounding communities. We strive to offer students the academic, economic, and social support to achieve their goals.

Student Success Communities

Mission College is proud to offer a range of programs that provide connection, support, guidance, and fun! Each of our Success Communities provides different supports, and each may have different qualifying requirements.

However, Mission College has made it easy for students to apply for most of our Success Communities using one simple online application at missioncollege.edu/success. Simply fill it out, indicate your interests, and we will follow up with you to help you get connected to the programs that fit you best! Joining one of our Success Communities can possibly provide you with book vouchers, field trips, specialized counseling, cultural activities, study support and tutoring, grants, technology loans, mentorship, skill-building, and more!

Mission College is also committed to providing excellent resources and support for our undocumented and Dreamer students and LBGTQIA+ students. We have dedicated webpages for each of these groups where you can find out more.

- Undocumented and Dreamer Resources: missioncollege.edu/dreamer
- LBGTQIA+ Resources: missioncollege.edu/lgbtq

Asian Pacific Islander Desi American (APIDA)

missioncollege.edu/apida

The Mission College Asian Pacific Islander Desi American APIDA Learning Community is a transfer-support cohort grounded in the Filipino concept of Kapwa, the concept of connection with oneself and the spiritual connectedness with others. The program is designed for students to delve deeper into their own unique story to explore identity and build community through an Asian American studies lens. As a learning community, students will explore APIDA culture and relevant issues, receive individualized counseling and transfer support, opportunities for culturally relevant on & off campus programming, leadership development, and get placed with an APIDA peer mentor. Students of all backgrounds are welcome to join.

CalWORKs

missioncollege.edu/calworks

Student Engagement Center (SEC), Room 148

CalWORKs is the "California Work Opportunity and Responsibility to Kids program". We are a federal, state and county funded program serving low-income students parenting at least one child under the age of 18. Students currently served are those who meet CalWORKs or TANF criteria. CalWORKs at Mission College works in collaboration with Santa Clara County Department of Social

Services, the Adult Education Centers and Cal-Learn programs. CalWORKs provides educational support and community resources to help students earn a certificate, degree or transfer and to eventually be placed in and retain family supporting employment.

Cooperative Agencies Resources for Education (CARE)

missioncollege.edu/care

Student Engagement Center (SEC), Room 148

(408) 855-5228

mc.eops@missioncollege.edu

CARE is a part of the EOPS program and focuses on the needs of single-parent students who receive Cash Aid/TANF funds. CARE assists students in realizing their visions of educational success and economic independence.

Disability Support Program and Services (DSPS)

missioncollege.edu/dsps

Campus Center (CC), Room 240

Disability Support Programs and Services support students with both permanent and temporary documented disabilities to access college-level courses for degree, transfer, certificate programs

and career. The DSPS team supports college students with a disability to thrive within campus life, both on campus and through distance education. DSPS will help students arrange reasonable accommodations, when eligible, to minimize the effects of your disability and maximize your potential success. Additional services include specialized counseling, tutoring, and testing accommodations.

Extended Opportunity Program & Services (EOPS)

missioncollege.edu/eops

Student Engagement Center (SEC), Room 148

EOPS aims to support students in reaching their educational goals. Services help students obtain job skills, earn certificates and degrees, and transfer to four-year institutions. EOPS has become a cornerstone of California's Community Colleges. The program is designed to help underserved, at-risk students achieve their academic and personal goals. EOPS is a place that empowers students to overcome, persevere, and succeed with the support of staff and assigned counselors guiding them toward academic and career goals. It is a place to build a diverse community with like-minded students while enjoying services such as FREE printing, school supplies, laptop/calculator loan programs, and a positive, stress-free study area. It is a helping hand that eases a student's financial burden by providing book vouchers, grants, transportation assistance, and much more!

Honors Program

missioncollege.edu/honors

The Honors Program provides motivated students the opportunity to work closely with instructors and other motivated students in advanced levels of critical thinking, analysis, research, writing, and communication. Honors courses are open to all students who submit an intake form. Most Honors courses meet IGETC and CSU GE-B transfer requirements and are taught by outstanding faculty, selected for their special interest in working with Honors students. Benefits of Honors Program completion include supportive relationships with other bright, energetic learners, recognition on transcripts and graduation, participation in research conferences and special events, UCLA TAP & UCI Honors to Honors Certification and priority admission consideration UCLA, UCI and many other colleges and universities.

Math Engineering Science Achievement (MESA)

missioncollege.edu/mesa

Student Engagement Center (SEC), Room 152

MESA is a learning community built to support educationally and economically disadvantaged students in the STEM Transfer Pipeline. MESA provides support to students, on and off campus, who are majoring in math, engineering, and science so they excel academically, transfer to four-year institutions, and become tomorrow's doctors, engineers, and scientists. The Mission College MESA program also has external partnerships with Stanford, UC Santa Cruz, and the International Society for Pharmaceutical Engineers, providing students with a variety of opportunities.

NextUp

missioncollege.edu/nextup

Student Engagement Center (SEC), Room 148

NextUP supports students' educational goals and well-being as current and former foster youth. Eligible students receive additional support beyond what EOPS and the College normally provides. NextUP assists students with resources that make a

difference, including help with books and supplies, transportation, food and emergency housing. NextUP knows that sometimes the hardest part about getting your college education is steering your way around all the bumps in the road. Most students will face challenges throughout this journey. NextUP is here to help.

Puente

missioncollege.edu/puente

Campus Center, Room 221

mc.nextup@missioncollege.edu

NextUP supports students' educational goals and well-being as current and former foster youth. Eligible students receive additional support beyond what EOPS and the College normally provides. NextUP assists students with resources that make a difference, including help with books and supplies, transportation, food and emergency housing. NextUP knows that sometimes the hardest part about getting your college education is steering your way around all the bumps in the road. Most students will face challenges throughout this journey. NextUP is here to help.

TRIO

missioncollege.edu/trio

Student Engagement Center (SEC), Room 146

At Mission College, TRIO is comprised of two projects (TRIO & TRIO STEM) designed to meet your specific needs. While TRIO "Classic" is open to all majors and supports students through graduation and transfer, TRIO STEM is designed to provide support for the needs and coursework specific to STEM majors. TRIO increases retention, graduation, and transfer rates of students that are first-generation in college, low income, and/or students with disabilities. TRIO prides itself on offering a very personalized counseling experience. Beyond constructing educational plans, we assist you in identifying career goals, as well as university and graduate school requirements.

Umoja

missioncollege.edu/umoja

Student Engagement Center (SEC), Room 109

Umoja is a Kiswahili word meaning unity. The Mission College Umoja Community (MCUC) will empower and motivate African American students and other students from disproportionately impacted populations to excel in academics through community engagement, cultural empowerment, culturally responsive pedagogy and self-love. Participants engage in a learning community during their first year in the program. Students of all backgrounds are welcome to join.

Veterans Valor Center

missioncollege.edu/valor

Campus Center (CC), Room 240

The Veterans Program and VALOR Center primarily serves Military Veterans, but is accessible to all Military Members, including Reserves, Active Duty and their qualifying Dependents. Through the VALOR Center (VRC), student-veterans have access to full-time staff and ongoing appointments with a VA Certifying Official and Student-Veteran Counselors. The VALOR Center hosts outside resources including VA Health through the Palo Alto Medical Center, Department of Rehabilitation as well as benefit assistance through Veteran Administration services. Other services with the VALOR Center include peer tutoring, lounge, study area, coffee and snacks, computer lab and printing, and more.

Support for Academic Success



Academic Support Center

missioncollege.edu/asc

Student Engagement Center (SEC), Room 154

The Academic Support Center provides academic assistance and tutoring for all Mission College students. The ASC offers in-person and online tutoring in a wide range of subject areas to provide students with quality services in a variety of formats to respond to individualized learning needs.

The ASC provides a positive learning environment to help students become independent and active learners. Mission College's ASC Tutoring Program is certified by the College Reading and Learning Association's (CRLA) International Tutor Training Program Certification (ITTPC).

The CRLA is a professional organization that conducts and supports research on the effective practices of college and university learning assistance programs.

STEM Learning Center

missioncollege.edu/stem

Science Building (SCI), Room 131
(408) 855 5157

The STEM Learning Center is a central resource hub for students who are majoring in the Science, Technology, Engineering, and Mathematics (STEM) disciplines at Mission College.

Students have access to computers, a quiet place for studying, whiteboard tables and walls, and Peer Support Specialists who can help with homework and connect to resources on campus. Students also take advantage of STEM-specific academic counseling, workshops and events, and a textbook library.

Library

missioncollege.edu/library

Business and Technology Building (BT), Room 106
(408) 855-5150

The Library offers a vast collection of resources, from academic textbooks to best-selling novels, catering to all your learning and leisure needs. Whether you need research assistance from a helpful librarian, access to online databases, or a quiet place to study, the library is here to support your academic journey.

The Library supports our popular Semester Text program, which provides access to textbooks available for semester-long checkout. Mission College is proud to house a large and dedicated Asian American, Native Hawaiian, and Pacific Islander Collection, which shares the unique culture, history, and experiences of these groups as well as highlights the works of authors from these backgrounds.



Admissions, Registration and Records



Admissions and Records Office

The Admissions and Records team is also located in the entry lobby of SEC. They are available to assist and help you with admissions questions and paperwork. Find more information about their services at missioncollege.edu/admissions.

Eligibility Requirements for Admission of Students

Embracing the “open door” mission of community colleges, Mission College admits any California resident, and may admit any non-resident, who meets any of the following conditions and is capable of benefiting from the instruction offered:

1. Any person over the age of 18 who possesses a high school diploma or its equivalent.
2. A non-high school graduate, over 16 years of age, who has in their possession at the time of registration one of the following:
 - Certificate of the State Proficiency Test
 - G.E.D. or California high school (HS) Equivalency Certificate
 - A formal, written document from the student’s high school district indicating they are exempted from any high school attendance
 - Persons who are apprentices as defined in Labor Code 3077

Mission College is committed to providing access to all eligible students, regardless of immigration status. Immigrant students may qualify for relief from nonresident tuition and may qualify for financial aid. Information can be found in this catalog under the Costs and Financial Aid section.

Admission of New and Returning Students

New students seeking to enroll in credit courses must apply via cccapply.org. Students who are returning to the college after an absence of more than one year must also reapply at cccapply.org. Students wishing to take only noncredit courses may apply via our internal noncredit application. For more information and links to apply please visit missioncollege.edu/apply.

Orientation Services for New Students

Newly admitted students are highly encouraged to complete the Mission College orientation. Completing orientation may help a student secure a priority registration status. There are different ways to complete the Mission College Orientation:

- Option A: Students can complete the Online Orientation through their My Mission Portal as soon as their log-in credentials have been set-up
- Option B: Students may register for one of the following courses during their first term of enrollment at the college: COU 000A: Orientation to Mission College or COU 005: Strategies for Success

Use of Student ID Numbers, Social Security Numbers (SSN), and Tax Identification Numbers (TIN)

Upon admission, all students will be assigned Student ID numbers (also called G numbers). The assigned ID number will arrive via email. It will also appear on printed mailers and notices from the College and on faculty rosters. The Student ID is meant to replace social security numbers as the student’s primary identifier. Students are strongly encouraged to use only their Student ID numbers in all college related business as it provides them with additional security and confidentiality.

Federal legislation mandates that all colleges report student SSNs or TINs to the IRS. This IRS mandate requires colleges to collect the SSN or TIN. All SSNs and TINS collected as mandated are protected by federal regulations under the Family Educational Rights & Privacy Act (FERPA). Mission College uses these numbers for such purposes as statistical reporting, financial aid, student employment, and tax reporting. A student may refuse to disclose their SSN or TIN to the IRS, but the IRS is then authorized to fine the student in the amount of \$50. However, students are strongly encouraged to use only their Student ID numbers in all college-related business, as it provides them with additional security and confidentiality.

Admission of High School Students

Dual Enrollment High School Students

The Dual Enrollment Program provides an opportunity for students to:

- Complete advanced academic work that can provide a head start in a college major or in fulfilling college graduation requirements
- Earn credit for courses that may be used for both high school and college credit (confer with the student's governing K-12 school district for further information)
- Take vocational-technical career courses not available at their school or complete advanced work beyond the scope of their school's vocational curriculum

Dual Enrollment Process

Under the dual enrollment program, high school students may take college courses to supplement their educational programs. High school students wanting to enroll in Mission College courses are required to submit an online Application for Admission via CCCApply for each term they want to attend at missioncollege.edu/hs, and to submit a High School Dual Enrollment Form for registration.

Registration in any course must be approved by the students' high school principal or their designee. Students are required to meet all prerequisite(s) for the course(s) into which they want to enroll. Pupils enrolled in 9th grade and below are subject to the college determining whether they are prepared for college-level work.

When requesting admission, students in the 9th grade and below must apply for admission to receive a student identification number, after which they must contact the college's Director of Outreach and Student Development to be cleared for enrollment.

- Dually enrolled students are limited to a maximum of eight (8) units during the fall and spring terms, nine (9) units during the summer term, and six (6) units during the winter term
- Dually enrolled high school students may not register for Kinesiology activity courses or 900-level courses
- Admitted dual enrollment students are exempt from paying the enrollment fees

Mission Early College High School (MECHS)

Mission Early College High School (MECHS) is a collaboration between the Santa Clara Unified School District and Mission College. MECHS offers a college immersion experience, where students spend 100% of their instructional day in the college environment. Students take three high school classes taught by SCUSD instructors on the Mission College campus, and up to 15 units of college classes each semester. The blending of high school and college courses into a coherent educational program affords students the opportunity to earn a high school diploma and up to two years of college credit upon graduation.

MECHS accepts incoming 9th, 10th, and 11th grade students for the fall of each school year. Students seeking admission to MECHS must be residents of the Santa Clara Unified School District in order to be eligible to submit an application. Admittance is selective and is not guaranteed. Interested students should begin by finding more information at Interested students should begin by finding more information at mechs.santaclarasud.org/.

Admission of International Students

International Student Admission

Residents of other countries may apply for admission as F-1 visa status students through the International Students Center (ISC), located in the Student Engagement Center (SEC) 111.

Special requirements and application deadlines apply. For more information students should visit the International Students Center webpage at missioncollege.edu/IIS

Services Offered to International Students

The ISC offers complete services to F-1 visa students including international admissions, international counselor services, and immigration advising.

In general, the requirements for applying for admission for new international students are:

1. Completing an International Student Application Form
2. Submitting an application fee of \$100
3. Demonstrating college English competence by taking one of the accepted English language exams: iBT TOEFL, IELTS, STEP EIKEN, Duolingo, PTE, GTEC, Cambridge English Language Assessment, and Itep. The qualifying test scores for each exam can be viewed on our website. Students without a qualifying language proficiency score may attend Mission College's Intensive English Language Program prior to enrolling in degree-applicable classes
4. Providing proof of financial sponsorship of at least \$21,500 or its equivalent in foreign currency; Providing official English transcripts for the last three years of high school or college
5. Writing a personal statement explaining what the student wants to study at Mission College and their educational goals

Once studies begin, international students must be enrolled in and complete 12 units each semester in degree-applicable courses or 20 hours per week if enrolled in the Intensive English Language Program. International Student Tuition Fees apply. For information on current tuition fees, visit the Costs and Financial Aid section of this catalog.

Registration Processes and Policies

Class Schedules

Class schedules for upcoming terms are released online approximately two weeks prior to registration opening up for the term. Students are encouraged to use these schedules for planning, meet with a counselor, and register on their earliest registration date to ensure they are able to stay on track to meet their goal on the desired timeline.

Registration Dates

Students will find their assigned earliest registration date in My Mission Portal. There are many paths for students to earn priority registration, resulting in an earlier registration date. Meet with a counselor to discuss how you can earn priority registration.

Online Registration and Add Codes

Students may enroll into open classes from the time of their assigned registration dates until the day before the first day of class instruction using online registration. Once a class has begun, but prior to the census date, students must contact the instructor to receive an "Add Code" to enroll in a class.

If there is room in the class, the instructor will assign an Add Code to the student, who will then be able to enroll in the class via online registration. The student will enter the Add Code when prompted. Students must use the add code within three (3) days of issue, or by the last day to enroll, whichever is earlier. A student may not add a course on or after census date except with written permission of the instructor and the endorsement of the area Dean.

Overlapping Classes

California Ed code and board policy restrict students from enrolling in two or more classes where the meeting times overlap, unless each of the following conditions is met:

- The student provides a valid justification, other than scheduling convenience, of the need for an overlapping schedule
- The overlapping time does not exceed 10% of the class meeting time
- The student makes up the overlapping hours at some other time during the same week under the supervision of the instructor of the class

The petition can be obtained online at missioncollege.edu/admissions/forms.html, from Counseling, or Admissions and Records. The instructor of the class that will require make-up hours outside of the regularly scheduled class times must agree to the modified schedule and the form must be approved by the area Dean.

Placement and Registration in Math and English Courses

At Mission College students enroll directly into college-level, transferable Math and English courses aligned with their major. Some students receive placements to enroll in courses providing additional support to promote their success, based upon their high school coursework and performance. Students must view and acknowledge their Math and English placements in their My Mission Portal prior to being cleared to enroll in Math courses and English Composition. All students are encouraged to meet with counseling to identify and discuss the best options for their own educational goals.

Unit Limitations

Students are limited to enrollment in a maximum number of units in any given term. Students may petition to exceed the unit limitations. The petition process requires students to meet with a counselor to discuss the request. Students must have completed at least 12 units, not withdraw from more than one class and have a minimum 3.0 GPA to be eligible for a unit limitation override.

Limitation for Fall and Spring semesters: 18 units

- Mission Early College High School (MECHS) students are limited to 15 units
- Other dual enrollment high schools students are limited to 8 units

Limitation for Winter term: 6 units

- All students

Limitation for Summer term: 9 units

- All students

Repeating a Course

Students are permitted a total of three enrollment attempts to achieve a standard grade (defined as a passing grade of A, B, C, P or CR). This rule applies to courses taken at any regionally accredited college, in which the student received a substandard grade (D, F, NP or NC) or non-evaluative (W) grade. All of these grades are counted as enrollment attempts when determining a student's eligibility to repeat a course.

Students who have withdrawn from the same class the maximum number of times will be required to petition for a fourth enrollment attempt. The fourth attempt, if authorized, must reflect a grade other than W.

Once a passing grade of A, B, C, P or CR is received, the course may not be taken again. However, repetition may be allowable under special circumstances, and for limited courses. Check with Admission and Records or a Counselor to determine whether a course is eligible for repeat after receiving a standard grade.

Petitions for Course Repetition are available online at missioncollege.edu/admissions/forms.html

Auditing a Course

After the last date to add classes for college credit, a student may petition to audit a course with the following provisions:

- The student must be otherwise ineligible to take the course they wish to audit for credit
- The course must be approved for audit
- The instructor must approve the audit request
- The student is not permitted to change their enrollment status in the course to receive credit for the course

Attendance, participation, and related academic expectations shall be determined by the instructor. Students may be withdrawn from audit status by the instructor if the student does not satisfy class standards.

The fee for auditing a class shall be \$15.00 per unit per semester. Students enrolled in classes to receive credit for ten or more semester units shall not be charged an additional fee to audit three or fewer units per semester.

Fees must be paid prior to auditing a course. Fees are non-refundable.

Drop and Withdrawal Processes and Policies

Any student dropping or withdrawing from a class must follow established college procedures. Students receiving financial aid are encouraged to consult with the Financial Aid Department prior to dropping or withdrawing from classes to obtain information on potential overpayments, which may result in a student having to repay some or all of their financial aid award.

The responsibility for withdrawing from courses by the published deadlines rests with the student. Students can access drop and withdrawal deadline dates for each of their courses in My Mission Portal. Students enrolled in a course after the withdrawal deadline must be assigned a grade other than "W" by the instructor.

After a letter grade has been assigned, the student must confer with the instructor rather than submit a petition, as the instructor has sole authority for grade changes. Withdrawal may be authorized after the deadline in the case of verified extenuating circumstances, such as accidents, illness, or other circumstances beyond the student's control. In such cases, the student must submit a Petition to the Student Petition Committee in Admission and Records.

Dropping a Course without a Record

A student may drop from a regular Fall or Spring semester-length class during the first two weeks of instruction, and no notation of the course will be made on the student's academic record. In Summer, Winter, or in courses of less than a regular semester's duration, a student may withdraw prior to the census date, and no notation of the course will be made on the student's academic record. Check in My Mission Portal for these dates for each of your courses.

Students who fail to attend a course in which they are registered may be dropped by the instructor prior to or on the census date, and no notation of the course will be made on the student's academic record. However, students should not rely solely on a faculty drop and should ensure they drop themselves from a course they no longer intend to complete.

Instructor Initiated Drop/Withdrawal

Students are expected to attend all sessions of each class and participate in class activities and the requirements for each course. Students in asynchronous online courses are expected to be active in the course, participating in class activities and requirements. Instructors may drop students from the class if they fail to attend the first class meeting, or at any time the instructor determines that the student is no longer reasonably participating in the course. Instructors may set attendance and participation policies, which may include defining excessive absences as a cumulative absence of more than ten percent of the total number of hours the class meets during the term.

Student Initiated Withdrawal

After the second week of instruction, a student may request to withdraw from a semester-length class, whether passing or failing, at any time through the last day of the 12th week or before the 75% mark of a term. A Withdrawal (W) shall be recorded on the student's academic record. In courses less than a regular semester's duration, a student may withdraw prior to the completion of 75% of the period of instruction and a Withdrawal (W) shall be recorded on the student's academic record. Students can access specific drop and withdrawal deadline dates for each of their courses in My Mission Portal.

Although Withdrawal from a course does not impact a student's grade point average, it can impact financial aid, count toward limits on course attempts, and can lead to a progress alert, progress notice or dismissal. Students are advised to meet with a counselor prior to withdrawing from a course.

Excused Withdrawal

In accordance with California Ed Code and college policy, a student can request an Excused Withdrawal (EW) at any time during the semester and no later than the date when college policy allows a grade change. Excused Withdrawal does not count toward progress notice or dismissal calculations nor does it count toward the overall permitted number of withdrawals or as an enrollment attempt. However, the financial aid of a student may be affected depending on individual circumstance. A student should consult with the financial aid staff regarding any impact.

An Excused Withdrawal is acceptable when a student withdraws from a course(s) due to reasons beyond their control, which include but are not limited to, the following:

- Job transfer outside the geographical region
- Illness in the family where the student is the primary caregiver

- An incarcerated student in a California State Prison or County Jail is released from custody or involuntarily transferred before the end of the term (In the case of an incarcerated student, an excused withdrawal cannot be applied if the failure to complete the course(s) was the result of a student's behavioral violation or if the student requested and was granted a mid-semester transfer)
- The student is the subject of an immigration action
- Death of an immediate family member
- Chronic or acute illness
- Verifiable accidents
- Natural disasters directly affecting the student

An Excused Withdrawal (EW) may require the student to provide verifiable documentation which can include, but is not limited to a note from a doctor stating the student is not currently able to complete the work due to illness, employment verification of a new job, a booking report, police report of an accident, or any other documentation that proves the student's completion of a course is impractical. The Chancellor's Office defines impractical as impossible due to reasons beyond the student's control, although the determination shall be made by the local college's admissions and records office.

A student may request to use an EW for only one course or all courses in a term depending on the reason for the request. It is possible a student, based on an illness for example, is not able to participate in an in-person course but is able to continue with online courses.

Military Withdrawal

Students who are members of an active or reserve military service may request that their academic record reflect a Military Withdrawal (MW) when military orders compel them to withdraw from courses during the semester. The military orders must be verified by the Admissions and Records Office. The military orders must be issued after the end of the period in which courses may be dropped with no notation appearing on the student's academic record and prior to the end of the scheduled final examination period.

The Military Withdrawal (MW) does not impact a student's grade point average, count toward progress notice or dismissal calculations nor does it count toward the overall permitted number of withdrawals or as an enrollment attempt. The MW will only be assigned to those courses for which no academic credit has been awarded or received.

Further, the following courtesies are available to the student being called to military service:

- In lieu of an MW symbol, a student may directly petition the faculty member for an Incomplete ("I") grade. If granted, the student will receive an I (Incomplete). This grade will default to a MW grade as opposed to one of the standard letter grades if the student fails to ever complete the class
- In the case of a student who is an active or inactive member of the military service and who receives orders compelling a withdrawal from courses, the college shall, upon petition of the affected student, refund the entire enrollment fee for courses in which academic credit is not awarded

Appeals of Withdrawal Decisions: A student may appeal a decision regarding withdrawal in accordance with District policy. Please consult with Admissions and Records regarding any appeals needs.

Graduation and Transcripts

Applying for Graduation

Students must file an application for graduation in order for the conferral of their degree or certificate to be recorded on their official transcript. Before applying, students should meet with a counselor to ensure that all requirements have been met. Students should apply for graduation during the term in which all requirements will be completed for the intended program of study, not before. Students can graduate in Fall, Spring, or Summer terms.

The application for graduation is available on My Mission Portal. Deadlines for submission, along with additional graduation information, can be found at missioncollege.edu/graduate.

For a student's degree or certificate to be conferred, official transcripts from other institutions must reach the Admissions & Records Office before the graduation application deadline. Applications for graduation will not be processed without these official transcripts, which are necessary for evaluating coursework applied toward degree or certificate requirements..

Students must also ensure that official AP, IB, and CLEP scores being used for credit, are received by the college, and if using high school transcripts to clear IGETC Area 6 those must also be received.

Diploma

Mission College issues diplomas for credit-level students who earn certificates and associate degrees using an online system called Parchment. Diplomas are issued to students via the two methods listed below. Initial diplomas are issued free of charge while duplicate diploma requests are available at \$10 per request.

Digital Diploma: Emailed to your primary email address

Hard Copy: Sent via USPS to your mailing address.

Upon final evaluation of the academic record, students will receive an official, secure, electronic Diploma/Certificate via their student email. This will occur approximately two months after your final class. Approximately two weeks later you will receive your paper Diploma/Certificate in the mail.

Commencement Ceremony

Mission College holds a commencement ceremony each May to recognize and honor each year's graduates. Students who have applied for graduation or have recently graduated will receive information about participating in the ceremony. Additional commencement ceremony information can be found at missioncollege.edu/graduate.

Transcripts

At any time during their studies at Mission College, students may secure official transcripts of work completed at Mission College by submitting a request to the Admissions and Records Office (Mission College, 3000 Mission College Blvd., Santa Clara, California 95054-1897) or online at missioncollege.edu/transcript. Transcripts may be sent to an educational institution or may be mailed to the student. Processing a standard transcript request typically requires 5 to 10 business days. There is no charge for the first two paper transcripts requested by the student; thereafter, a \$6.00 fee will be assessed for each transcript request, whether requested in-person or online.

Rush transcripts can be requested from the Admissions & Records Office. A one-hour transcript may be obtained at a cost of \$20 per transcript copy.

Unofficial transcripts can be printed by the student from My Mission Portal at any time.



Cost and Financial Aid



missioncollege.edu/financialaid

All fees and charges are subject to change without notice by action of the California Legislature, the California Community College Board of Governors, or the Board of Trustees of the West Valley-Mission Community College District. Fees are due payable at the time of registration.

Enrollment Fee

California residents are required to pay a Community College Enrollment Fee of \$46.00 per unit per semester.

Exemptions from Enrollment Fees

Enrollment Fee Grant: Individuals residing in the West Valley-Mission Community College District service area are eligible for an enrollment fee grant, meaning they will not have to pay the \$46 per unit fee. After you are accepted to the college, log in to My Mission Portal, and view your Enrollment Fee Grant Status to Confirm whether your home address is within the service area.

Dual Enrollment High School Students: Dual enrollment students who qualify as California residents are exempt from paying the enrollment fee.

California College Promise Grant: Exemption for the enrollment fee will be allowed for those students who qualify for the California College Promise Grant A, B or C. The California College Promise Grant (CCPG) application is available on the Financial Aid web page, missioncollege.edu/promise.

California Residency Defined

Residency status is determined at the time of admission. A California resident student is one who has been physically present in the state for more than one year and one day prior to the start of the term in which attendance will begin. A student must be able to provide objective evidence of eligible immigration status, physical presence in the state of California, and the intent to make California a permanent home, in order to qualify as a California Residence. Applicants who cannot establish residency, as defined above, will be considered as non-residents or international students.

Non-resident Tuition

Students not meeting the requirements of California residency, international students, non-immigrant visa holders, and those not eligible for exemption as detailed below, are required to pay nonresident tuition in addition to enrollment fees and other college fees. For the 2024-2025 academic year, non-resident tuition is \$367 per semester unit in addition to the enrollment fee of \$46 per semester unit.

Exemptions from Non-resident Tuition

Certain non-resident students including undocumented individuals, permanent residents and U.S. citizens may be

exempted from paying nonresident tuition due to state laws (AB 540/AB2000 & SB 68) if they meet certain eligibility requirements. Eligible students remain classified as "nonresidents" for residence classification and financial aid eligibility purposes, but do not have to pay non-resident tuition. However, income-eligible undocumented students may also apply for California state financial aid and scholarships, including the California College Promise Grant. Students who hold F-1 Visa for International Students, or other non-immigrant visa holders (F, J, H, L, A, AB, C, D, E, etc.) are not eligible for exemption.

All exempt eligible students must file a California Non-resident Tuition Exemption Request form along with supporting documents (i.e., transcripts, proof of attendance) to the campus Admissions and Records Office.

Criteria for Eligibility:

Students are eligible by meeting one of the time and coursework requirements AND one of the degree or unit requirements

1. Time and coursework requirements: Attendance for three full-time years or the equivalent at any combination of the following:

- Indent in front of California high school
- Three years of California high school coursework and three years of total attendance at a California elementary school, California secondary school, or any combination of the two
- California community college (maximum of two years of credit bearing courses can count toward this OR
- California high school, California adult school, and/or California Community College for the equivalent of (3) years

2. Degree or unit requirements: Meet one of the following requirements

- Graduated with a California high school diploma or the equivalent (i.e., California-issued GED, CHSPE)
- Attainment of an associate degree from a California Community College
- Fulfillment of minimum transfer requirements from a California Community College to a UC (University of California) or CSU (California State University) campus
- A year's equivalent at a California Community College is either a minimum of 24 semester units of credit or 36 quarter units. For noncredit courses, a year's attendance is a minimum of 420 class hours per year (a semester is equivalent to a minimum of 210 hours and a quarter is equivalent to a minimum of 140 hours)
- Full-time attendance at a California adult school is a minimum of 420 hours of attendance for each school year

Other College Fees and Costs

Associated Student Government Fees

Representation Fee

This is a \$2.00 fee per semester. The proceeds support student government representatives in stating their positions and viewpoints before city, county, and district government offices and agencies of the state government. Should a student choose not to be represented at the time of initiating registration for the first time for the term for which they are registering the student must indicate on the questionnaire presented that they do not want to be assessed the fee. If the student does not opt out the fee will be assessed.

Membership Fee

This \$7 membership fee charged at the time of registration supports a variety of student services, activities, programs, scholarships and discounts. Should the student choose not to be a member, the fee is refundable if a petition for refund is submitted to ASG by the published refund deadline. Petition forms are available in the ASG office.

Campus Center Fee

This non-waivable fee supports the Campus Center and is assessed at \$1 per unit up to a maximum of \$5 per semester.

SmartPass Fee

The SmartPass allows students to enjoy unlimited bus and Light Rail trips on VTA while enrolled at Mission College. The fee is \$12.00 for full-time students or \$10.50 for part-time students. This fee is not waivable. Fees are subject to change according to VTA contract terms and the West-Valley Mission Community College District Board of Trustees. During the summer, continuing students, those enrolled in spring, will not be assessed the SmartPass fee. Only new and returning students are assessed the \$10.50 fee during the summer.

Health Fee

The health fee has been currently suspended.

Instructional Materials Fee

Mission College has eliminated instructional material fees for all courses. However, a very small number of courses may have additional costs associated with them. Any addition costs will be noted in the Section Details area of the class schedule.

Textbooks and Learning Materials Cost

Many, but not all courses have required reading materials which students may have to purchase. Please check our website to access to our online bookstore to see what materials (textbooks, software, etc.) your instructor may be requiring for a course. In our class schedule, many of our courses are indicated as Zero-Textbook Cost, meaning the student will not be required to purchase any materials. Others are indicated as Low-Cost Textbook, meaning the cost of the materials is under \$50 if purchased via the college bookstore.

Payments and Refunds

Students planning to enroll in both West Valley and Mission College classes should show all receipts at the time of registration to avoid duplicate payment of some fees. All fees are payable at the time of registration and can be made via the My Mission Portal.

Payment Plan

Mission College is committed to providing you with options to pay your enrollment fees. Through a partnership with Nelnet you can make payments to make your educational dreams possible. By establishing a payment plan with Nelnet, you will have the opportunity to select a payment schedule to make your enrollment expenses more convenient and manageable. For additional information go to [MyCollegePaymentPlan.com/vwmc](https://www.missioncollege.edu/mycollegepaymentplan.com/vwmc) or call Nelnet at (800) 609-8056.

Drop for Non-Payment

Payment of fees is due at time of registration. Students with outstanding balances on their accounts may be dropped from their courses before the beginning of the term. Students with a Community College Promise Grant, a Nelnet payment plan in place, or those with established 3rd party payments are exempt.

Refunds

To be eligible for a refund of fees and tuition, students must drop classes by the published deadline. Students are responsible for referencing the My Mission Portal for 'My Class Dates,' which identify drop deadlines for refunds and official withdrawal. The 'Registration and Records' tab on the My Mission Portal lists 'My Class Dates.' Processing of refunds for tuition and fees takes four to six weeks. Depending on the method of payment, the student will receive a check or a debit/credit card refund. Refunds for eligible students are processed after census for full term courses, unless otherwise requested by the student. Refunds for complete withdrawals from short-term courses are processed within 7 to 10 business days.

Holds on Student Records for Financial Obligations

Holds will be placed on students' records for unpaid tuition and fees, materials loaned and not returned, and any other financial obligations owed to the college. Students with active account holds are not permitted further registration activity until account balances are fully paid. Payments may be made online through the My Mission Portal. Account holds due to outstanding balances will be lifted the same day of online payment.

Collections of Outstanding Balances

Outstanding account balances are referred to a collection agency by the end of the term. Once referred to a collection agency, students are required to work directly with the collection agency for payment processing. Collection holds are applied to accounts and registration activity is prohibited until payment is made to the collection agency.

Financial Aid

Student financial aid is money awarded to eligible students to assist them in meeting their educational expenses while attending college. It is intended to supplement, not replace, the amount students and their families can afford to pay towards these costs.

A variety of Financial Aid programs are available at Mission College. To apply, students are encouraged to complete an application form, available on the web at [FAFSA.ed.gov](https://fafsa.ed.gov) or California Dream Act Application at dream.csac.ca.gov. The application assists the Financial Aid Office staff to determine student eligibility.

Federal Financial Aid

Mission College participates in the Department of Education Title IV federal financial aid programs including Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (FSEOG), Federal Work Study (FWS), and Federal Direct Loans. Detailed information about the federal financial aid programs is available from the U.S. Department of Education at studentaid.gov.

State Financial Aid

Mission College participates in state financial aid programs including California College Promise Grant (CCPG) Cal Grant A, B and C; Student Success Completion Grant, (SSCG), Chafee Grant, Extended Opportunity Program and Services (EOPS) Grant, and Cooperative Agencies Resources for Education (CARE) Grant. Applications, links to application sources, and information on the application process are available at: missioncollege.edu/student_services/financial_aid/.

Institutional Aid

Scholarships

Mission College offers over 150 scholarships. Applications are available in mid-to-late January and have an early March deadline. Criteria for each scholarship vary and may require community service, financial need, a specific grade point average, overcoming obstacles, majoring in certain fields and many more. Additional scholarship information can be found at missioncollege.edu/student_services/financial_aid/scholarships/.

Student Employment

On campus positions are funded either by department budgets or by federal work study. Only students with federal work study awards can apply for and work in federal work study funded positions. Additional information can be found at: missioncollege.edu/jobs.

The Financial Aid Office reserves the right to make or change policies and procedures at any point during the academic year to reflect changing federal, state or institutional rules and regulations.



Academic Requirements



missioncollege.edu/apply

Every year over 1,000 students receive degrees and certificates from Mission College and are ready to apply their skills directly in the workforce or move on to their transfer institution of choice.

The Associate Degree for Transfer follows statewide models and is ideal for those seeking to transfer to the California State University system. Our Associate of Arts and Associate of Science degrees provide students with programs supporting direct entry into the workforce or for more specialized transfer situations where the Associate Degree for Transfer may not be the best option.

Certificate programs vary in length and provide specific skill development or career preparation through both credit and noncredit coursework.

Transfer preparation is also part of our mission, and while we encourage students to earn a degree prior to transfer it is not required. However, there are specific requirements students must meet before transferring to a university in the CSU or UC system.

Courses and Requisites

Types of Courses

Mission College offers a variety of course types to help students meet their individual educational goals.

- **Credit Course:** Most Mission College courses are credit courses, meaning students earn units for the courses that appear on their transcript. However, not all units earned in credit courses apply toward a degree or certificate or transfer to four-year colleges and universities
- **Noncredit Course:** Mission College offers noncredit courses, for which students do not have to pay enrollment fees. Noncredit courses have no unit value. The courses do not apply toward a degree or certificate or transfer to four-year colleges and universities. Many noncredit courses can help students build skills to prepare them for greater success in credit courses
- **Degree Applicable Courses:** All credit courses, except those with course numbers in the 900's, will apply as credit toward an A.A. or A.S. degree and may apply toward an AA-T or AS-T degree. Not all degree applicable courses will transfer to four-year colleges and universities.
- **Non-degree Applicable Courses:** All noncredit and some

credit courses are non-degree applicable. Non-degree applicable courses carry a notation in their course description in this catalog. Students may or may not earn credit for these courses, but any credit earned is not applicable to any Mission College degree

Course Learning Outcomes

Students are responsible for completing the learning and performance objectives and outcomes of the courses in which they are enrolled and giving evidence of such learning through assessments such as examinations, essays, journals and other such requirements as deemed appropriate by the instructor for demonstrating mastery of skills required in the courses. Learning outcomes for each course are found on the course syllabus, as well as in the course listing in the web-based catalog.

Units of Work and Credit

Courses are typically made up of lecture hours, lab hours, or a combination of the two. All credit courses carry a unit value. For one unit of lecture credit, students should expect to spend one hour per week in class, and two hours per week on out-of-class study for a full semester course. For one unit of lab credit, students should expect to spend three hours per week in class with no additional out-of-class study time expected.

Course Advisories and Requisites

As students read about Mission College courses in the College Catalog or in the Class Schedule they will often see indications about advisories or course requisites. If you believe you have already met a prerequisite, The Assessment Services team at Mission College provides assistance in clearing prerequisites for coursework taken at other colleges, AP/IB/CLEP Test Scores, and, in limited instances, high school coursework. They also evaluate knowledge and skills acquired through alternative means. You can visit them at missioncollege.edu/assessment for more information.

The following information is here to help you understand how to read and interpret course advisories and requisites. Admissions and Records, Counseling, or the academic department in which the course is offered may also be able to assist students with requisite questions.

Advisories

Course advisories are placed on courses as a recommendation that a student has completed another Mission College course prior to enrollment, but it is not required. Students may also feel confident they are prepared for the course if they have completed a similar course to the advisory course at another college, or if they believe they have acquired the knowledge or skills learned in the advisory course through other means.

Prerequisites

Courses at Mission College have prerequisites that mandate students to either have successfully completed another Mission College course or fulfill specific requirements before enrolling in the desired course.

Algebra Skills Advisories & Prerequisites

Some courses will have an advisory or prerequisite of Elementary Algebra Skills. This means students have completed a course such as High School Algebra I, Integrated Math I or an equivalent course at a college or acquired the skills through other means. Some courses will have an advisory or prerequisite of Intermediate Algebra Skills. This means students have completed a course such as High School Algebra II, Integrated Math III, or an equivalent course at a college, or acquired the skills through other means.

Corequisites

Corequisites are placed on courses to require students to enroll simultaneously in the courses. Sometimes a course is indicated as a Corequisite or Prerequisite which permits the student to enroll if they have previously completed the prerequisite course or are enrolling in it simultaneously.

Antirequisites

An Antirequisite means a student cannot enroll and receive credit for this course, if they have already received credit for the antirequisite course.

Reading the Requisite Requirements

Simple Requisites

Many requisites are very easy to understand. In the example below, a student must have completed or be currently taking and scheduled to complete ACC001A, or work with Assessment Services to clear the prerequisite through alternative means, before enrolling in ACC001B for an upcoming term.

ACC 001B: MANAGERIAL ACCOUNTING **4.0 Units**
Prerequisite: ACC 001A

More Than One Way to Meet the Requisite

In some cases, students have options in how to meet a requisite. In the example below a student can meet the prerequisite for BIO 001B by completing either BIO 001A or BIO 001AH.

BIO 001B: GENERAL BIOLOGY: ORGANISMS **5.0 Units**
Prerequisite: BIO 001A or BIO 001AH

More Than One Requisite

Some courses may have more than one requisite. In the example below a student must meet two prerequisites, MAT 003B and PHY 004B. In addition, the student is advised (but not required) to have completed MAT 004A, before enrolling in EGR 024.

EGR 024: INTRODUCTION TO CIRCUIT ANALYSIS **3.0 Units**

Prerequisite: MAT 003B and PHY 004B

Advisory: MAT 004A

Complex Requisites

Occasionally, requisites can be complex. When this happens, parentheses are used to help communicate the complexities. When you see the parenthesis, you should interpret the information within them as a block before considering the information outside the parenthesis.

In the example below, a student must complete CHM 001A or CHM 001AH (but not both) as well as complete PHY 004A prior to enrollment in EGR 026.

EGR 026: ENGINEERING MATERIALS **4.0 Units**

Prerequisite: (CHM 001A or CHM 001AH) and PHY 004A

One of the most complex requisites is for BIO 004, where a set of double parenthesis exist. Starting from the left, there is a set of parenthesis indicating a student can choose between four different options to meet the first prerequisite.

The student can complete BIO011 or BIO001A or BIO022 or BIO010 and BIO010L. Because BIO010 and BIO010L are in an additional set of parentheses this information is to be taken as a block. Three of the four options can be met with a single course, while the fourth option requires completion of two courses.

Yet another set of parentheses indicate a student can choose between three different options to meet a second prerequisite. In this case the student must complete one of three possible chemistry courses.

BIO 004: MICROBIOLOGY **5.0 Units**

Prerequisite: ((BIO010 and BIO010L) or BIO011 or BIO001A or BIO022) and (CHM 003A or CHM 001A or CHM 060)

Academic Awards

Associate Degree for Transfer

To support transfer to the California State University (CSU) system, Mission College offers transfer degrees called Associate in Arts for Transfer (AA-Ts) and Associate in Science for Transfer (AS-Ts). Also known as Associate Degrees for Transfer (ADT), these associate degrees are fully transferable to the CSU and require no more than 60 transferable semester units for completion.

Students who complete the requirements for an AA-T or AS-T are eligible for an associate degree AND meet minimum admissions requirements for junior standing at a CSU campus. Additionally many independent, out-of-state, and Historically Black Colleges have entered into agreements with the California Community Colleges and accept transfer student consistent with the terms of the Associate Degree for Transfer.

Although earning an Associate Degree for Transfer does not guarantee a student admission to all CSU campuses or majors, it does secure priority admission consideration to the student's local campus.

Students must fulfill the following requirements to be awarded an Associate Degree for Transfer

1. Complete 12 units of degree-applicable course work in the West Valley Mission Community College District
2. Complete either the CSU General Education-Breadth (CSU GE-B) curriculum or the Intersegmental General Education Transfer Curriculum (IGETC)
3. Fulfill the major requirements of one of the Associate Degree for Transfer programs. Each course in the major must be completed with a C (or "P") or better
4. Have an overall grade point average of 2.0 in 60 units of CSU transferable coursework reflected on all college transcripts

New students whose educational goal is to earn a degree and transfer, must be placed on an ADT pathway, if the college has an ADT in the subject area the student wishes to study. Continuing students who change their educational goal to earn a degree and transfer are also subject to the requirement. Students who believe the Associate of Arts or Associate of Science degree will better meet their transfer requirements may meet with a counselor to review, and possibly establish a non-ADT educational plan, if it is deemed in the best interest of the students' specific goal.

Associate in Arts and Associate in Science

These degrees may be pursued as either a final educational goal or as preparation for direct entry into an occupation. These degrees are awarded in a variety of subjects and areas of career preparation.

Students must fulfill the following requirements to be awarded an Associate of Arts or Associate of Science degree:

1. Complete 12 units of degree-applicable course work in the West Valley Mission Community College District
2. Complete either the Mission College General Education curriculum, the CSU General Education-Breadth (CSU GE-B) curriculum, or the Intersegmental General Education Transfer Curriculum (IGETC)
3. Fulfill the major requirements with a C (or "P") or better.
4. Have an overall grade point average of 2.0 in 60 units of work reflected on all college transcripts

Completing Multiple Majors

1. Multiple majors may be earned at the same time provided that the following provisions are met
2. Completion of all requirements for the additional major(s) with double-counting allowed
3. Completion of General Education Requirements.
4. Completion of 12 units in residence within the West Valley Mission Community College District (WVMCCD)

Additional Degree Requirements for Previous Degree Earners

A student who has already earned an associate's or bachelor's degree from an institution that is accredited by an agency identified as an Institutional Accreditor in the Database of Accredited Postsecondary Institutions and Programs maintained by the U.S. Department of Education, may apply for an Associate or Arts or Associate of Science degree once all program major requirements have been completed, and the student has completed 12 degree-applicable units in the West Valley Mission Community College District. No additional general education courses will be required.

Students may apply for an Associate Degree for Transfer, once all program major requirements have been completed, and the student has completed 12 degree-applicable units in the West Valley Mission Community College District. Students seeking an Associate Degree for Transfer will be held to completion of either the CSU GE-B or IGETC curriculum. Prior coursework will be evaluated and applied to these requirements as appropriate.

Certificates

Mission College offers multiple certificate programs. In many cases, certificate coursework can be applied toward degree completion, and many of our students earn one or more certificates along with a degree. Certificate programs do not have General Education Requirements.

Credit Certificates

Mission College offers two types of credit certificates. The Certificate of Achievement is typically designed to provide students with the necessary skills to compete successfully in related job markets. They will be noted on a student's transcript. The Certificate of Proficiency is a department-awarded certificate which is not noted on the student transcript, nor is it eligible for financial aid. At least 1/3 of the Program Requirements must be completed at Mission College.

Noncredit Certificates

Mission College offers a number of noncredit Certificate of Competency and Certificate of Completion programs. Noncredit coursework is not applicable to degrees or credit certificates. However, noncredit coursework and certificates may offer valuable documented academic or vocational skill-building opportunities.



Academic Policies and Procedures



District Policies

The academic policies and procedures at Mission College are governed by California Ed Code and board policy. In this section key district policies are summarized. Board policies can be found in their entirety at: go.boarddocs.com/ca/wvm/Board.nsf/vpublic?open.

This catalog contains accurate information at the time of publication. However, policies are updated regularly, so please consult the website to ensure you have the most up-to-date policy information.

Evaluative Grade Symbols

Letter Grades and Grade Point Average

Letter grades of A, B, C, D, and F are used. No plus or minus grades are awarded. A student's grade point average (GPA) is calculated based on the grades awarded as follows: the grade points for each course in which the student is enrolled are first determined by multiplying the grade point value for the grade awarded times the number of semester units represented by the course. Next, total grade points are summed for all courses in which a grade of A, B, C, D, or F has been awarded. This total is then divided by the total number of units for all courses in which one of these five grades was awarded.

GRADE SYMBOL	DEFINITION	GRADE POINT(S)
A	Excellent	4
B	Good	3
C	Satisfactory	2
D	Passing (less than satisfactory)	1
F	Failing	0

Pass/No Pass Grade System

While some courses only have the option to be taken for a letter grade, in many cases a student can choose to take a course on a Pass(P)/No Pass(NP) basis. Some courses, including many noncredit courses only offer a P/NP grade option. The P/NP grade is awarded on the basis of a single satisfactory standard of performance. Students who do not meet the standard will receive the grade of NP and will not earn credit for the course.

If electing a Pass/No Pass option for an eligible course, students are advised to consult with a counselor as there may be an impact to transfer eligibility to four-year universities. Once applied, a Pass/No Pass grading option becomes a permanent part of the student's academic transcript and may not be revoked. Students may elect the Pass/No Pass notation by the last day of instruction before the final exam, for current term classes.

Units earned on a Pass/No Pass basis are considered in academic notice, progress notices and progress dismissal procedures.

A maximum of 20 credit units of the earned via Pass/No Pass grading may be applied toward the completion of the associate degree.

Satisfactory Progress Grade System

The Satisfactory Progress (SP) applies only to noncredit courses and works in conjunction with the Pass/No Pass system. The SP grade assists students who, for a variety of reasons, cannot complete the noncredit course in a single academic term. The SP designation shows that students are progressing and have acquired some of the skills and knowledge needed to achieve course outcomes but still have work to do. The SP designation is therefore a reflection of student progress and success.

GRADE SYMBOL	DEFINITION	GRADE POINT(S)
P	Pass	Not calculated in GPA
NP	No Pass (less than satisfactory)	Not calculated in GPA
SP	Satisfactory Progress (noncredit courses only)	Not calculated in GPA

Nonevaluative Symbols

Incomplete (I)

The symbol Incomplete (I) may be indicated when students doing passing work and regularly attending at least 75% of a course are unable to take the final exam or otherwise complete the course because of illness or other unforeseeable emergency and justifiable reasons. Conditions for the removal of the "Incomplete" shall be set forth by the faculty member in a written record which also indicates the grade assigned in lieu of removal.

The student will receive a copy of this record and a copy will be filed with the Admissions and Records office. A final grade will be assigned by the faculty member when the stipulated work has been completed and evaluated. The Incomplete (I) symbol is not used in either calculating units attempted or for the computation of the grade point average.

The conditions for removing the Incomplete (I) must be met no later than one year following the end of the term in which Incomplete (I) was assigned. Established College procedures may be utilized to request a time extension in cases involving unusual circumstances. An Incomplete (I) symbol not remediated within the years' time frame and that is not extended will be converted to a final grade of F.

In Progress (IP)

This symbol is to be used in the student's permanent record to confirm enrollment and to indicate that the class extends beyond the normal end of the term. It indicates that work is "In Progress" and that unit credit and a grade will be assigned when the course is completed.

If a student enrolled in an open-entry, open-exit course is assigned an "IP" grade and does not re-enroll for the subsequent attendance period, the faculty member will assign an evaluative symbol, in accordance with the evaluative symbols as described, to be recorded on the student's permanent record for the course. The IP symbol grade is not used in the computation of grade point average.

Report Delayed (RD)

This symbol is to be used only by the Admissions and Records office for the purpose of indicating that there has been a delay in reporting the grade due to circumstances beyond the control of either the student or the Admissions and Records Office. It is to be replaced by a permanent symbol/grade as soon as possible. The "RD" grade shall not be used in the computation of the grade point average.

Withdrawal (W), Excused Withdrawal (EW), Military Withdrawal (MW)

When a student must end their enrollment in a course after the census date, but before the end of the term in the case of an EW or MW, or before the withdrawal deadline in the case of a W, one of these symbols will be used on the student's permanent record. While none of these symbols impact a student's grade point average the W, but not the EW or MW, can impact academic notice, progress notice, and dismissal procedures. Read more about these symbols in the Drop and Withdrawal Processes and Policies section of this catalog.

Grade Changes, Alleviation, and Academic Renewal

Grade Change Policy

The California Code of Regulations, Title 5 Section 55760, permits a grievance to be filed with respect to grading only in situations where a grade was assigned due to mistake, fraud, bad faith, or incompetence. See additional information in the Grievances and Complaints section of this catalog.

Grade Alleviation through Course Repetition

A student who has earned a grade of D, F, or NP in a credit course at the College may repeat the course for the purpose of grade alleviation up to three times. A student may petition for permission to repeat a course a fourth and final time, but the petition will be granted only based on a finding that unusual circumstances exist which justify another repetition.

The unit value of the repeated course is counted only once. On the permanent academic record all attempts of the course will be indicated showing a true and complete academic history, although only the most recent grade earned in the repeated course is used in the computation of the grade point average.

Academic Renewal

The Academic Renewal process permits students the opportunity to petition to have up to 24 units of substandard academic work (D, F, NP) completed within the West Valley Mission Community College District (WVMCCD) disregarded from their cumulative grade point average when such work does not reflect their current demonstrated ability. If Academic Renewal is approved, the student's permanent record will be noted with Academic Renewal comments and the units will be removed. The renewed course(s) will not be removed from the record, as the district is required to show the student's complete and accurate academic record.

Courses alleviated still reflect a course attempt for the purposes of the repeat policy. Once applied, Academic Renewal may not be reversed. Any Academic Renewal awarded by Mission College, may or may not be accepted by other colleges. Coursework previously applied toward a degree, certificate or General Education certification at WVMCCD are not eligible for academic renewal.

Approval of an Academic Renewal request is subject to meeting one of the following conditions:

- Completion of 12 units with a 3.0 cumulative GPA completed at any regionally accredited institution
- Completion of 24 units with a 2.0 cumulative GPA completed at any regionally accredited institution

In addition, at least two semesters must have elapsed since the substandard work.

Students must consult with a counselor to select individual courses to be included before petitioning for Academic Renewal. After obtaining the Counselor's signature, the completed Student Petition is submitted to the Admissions & Records Office.

Academic Standing

Academic Honors

Dean's List Students who complete 12 units or more in any semester, and earn a minimum 3.00 ("B") grade point average, qualify for the Dean's list. Students who complete between 6 and 11 ½ units in any semester and earn a minimum of 3.00 ("B") grade point average, qualify for the Dean's list for part-time students.

Honors Graduate: Graduates who have achieved a cumulative Mission College grade point average between 3.3-4.0 will receive special recognition at Commencement as outlined below:

- 3.30-3.49 Cum Laude
- 3.50-3.79 Magna Cum Laude
- 3.80-4.0 Summa Cum Laude

Academic and Progress Notice, Dismissal and Readmission

Academic and Progress Notice, Dismissal, and Readmission policies and procedures are designed to assist students in making progress toward their academic, career and personal goals. The college's minimum standards of academic progress require the student to maintain an overall grade point average of 2.00 and successful completion of at least fifty percent of the overall credits in which the student has enrolled.

The standards for academic progress may differ for students who receive financial aid and/or VA educational benefits. Continuing and returning students who have been on progress or academic notice for two consecutive semesters lose their priority registration.

Determination of whether a student has met the minimum standards for academic progress is based on:

- All District units in which the student has been enrolled will be utilized in determining the applicability of the policy on academic notice and dismissal
- Coursework completed at previously attended institutions that has undergone a transcript evaluation is included in the official transcript for West Valley-Mission Community College District and thereby considered for academic progress standard calculations

Academic and Progress Notice

A student shall be placed on academic or progress notice if their academic record of performance at Mission and/or West Valley College(s), including evaluated coursework completed at previously attended institutions through the transcript evaluation process, meets any of the standards explained below.

Students on any Academic or Progress Notice status will be notified at the end of primary terms which include fall and spring. Academic and Progress Notice statuses will appear on the student's semester grade report and the transcript of academic work.

Students on notice are strongly advised to promptly consult their counselor regarding the best and most appropriate course of action to be followed in order to be removed from notice.

Academic Notice

All units in which the student has been officially enrolled, except those in which the student has been assigned a grade or non-evaluative symbol (W, MW, EW, P, NP, SP, I RD, or IP) when computing grade point average.

Academic Notice 1: A student who has earned a minimum of 12 semester grade units in the WVMCCD, including transfer articulated credit from previous institutions, shall be placed on Academic Notice 1 when the institutional GPA is below 2.00. The institutional GPA includes the calculated GPA from previously articulated credit from a transcript evaluation. Students on Academic Notice 1 receive priority registration status for the following semester.

Academic Notice 2: Students on Academic Notice 1 will be assigned a status of Academic Notice 2 if the overall GPA remains below 2.00 at the completion of the Academic Notice 1 semester. Students on Academic Notice 2, lose their priority registration status.

Subject to Dismissal: Students on Academic Notice 2 will move to Subject to Dismissal status at the end of the Academic Notice 2 semester, if the overall GPA remains below 2.00. Students who are Subject to Dismissal lose any priority registration status.

Progress Notice

All units in which the student has been officially enrolled, except those in which the student has been assigned a non-evaluative symbol of MW, EW, RD, or IP when applying the satisfactory progress rule.

A student who has enrolled in at least 12 cumulative semester units, at Mission and/or West Valley College(s), and who has been assigned final grades of W, I, NP, or NC in fifty percent (50%) or more of those units shall be placed on progress notice.

Progress Notice 1: A student may be on progress notice after the first semester, Students on Progress Notice 1 receive priority registration status for the following semester.

Progress Notice 2: If a student is still below the 50% threshold after the Progress Notice 1 semester, they will be placed on Progress Notice 2 status. Students on Progress Notice 2, lose their priority registration status.

Subject to Dismissal: If at the end of the third consecutive semester on progress notice, a student will be placed on Subject to Dismissal status. Students who are Subject to Dismissal lose any priority registration status.

Removal from Academic or Progress Notice

Students who believe that their placement on academic or progress notice is the result of an error may petition the Student Petition Committee.

A student on academic notice for a grade point deficiency shall be removed from notice when the cumulative grade point, at Mission and/or West Valley College(s), reaches 2.00 or higher. Likewise, a student on Progress Notice shall be removed from notice when the total percentage of cumulative units, at Mission and/or West Valley College(s), in the W, I, NC and NP categories drops below fifty percent (50%).

Disqualification/Dismissal

A student whose academic performance, at Mission and/or West Valley College(s), falls under one or more of the criteria listed below shall be subject to academic disqualification and dismissal from the college:

- A cumulative grade point average of less than 2.00 upon completion of 'Subject to Dismissal Status'.
- A student whose total percentage of W, I, NP, or NC grades reaches or exceeds fifty percent (50%) of the total units attempted for three consecutive semesters progress dismissal

Notification of academic disqualification status will appear on the student's end-of-semester grade report and transcript. Students will no longer be allowed to register for classes unless they successfully petition for readmission.

Readmission

Academically disqualified students who are dismissed from the college shall not be reinstated until one semester has elapsed after dismissal unless a petition for readmission has been approved by the Student Petition Committee. An academically dismissed student must apply for readmission when returning to the college. If readmitted, the student will enter on Reinstated status and will continue to be subject to the academic and progress standards cited above.

Credit for Prior College Course Work

Students may use coursework completed at other institutions to fulfill program, general education, and/or elective unit requirements for the Associate Degree, Associate Degree for Transfer, or certificate programs at Mission College. There are limitations on the use of coursework completed at a college outside the United States. See the Evaluation of Foreign Coursework section for additional information.

For coursework completed at a college within the United States, Mission College accepts courses from institutions that are either fully accredited or listed as a candidate for accreditation by agencies identified as Institutional Accreditors in the Database of Accredited Postsecondary Institutions and Programs maintained by the U.S. Department of Education. Access the data base at ope.ed.gov/dapip/#/agency-list

If you wish to have your transcripts officially evaluated for credit, you have the option to do so once you have finished or are in-progress of completing 12 units at Mission College. However, before doing so, it's highly recommended that you schedule a meeting with a Mission College counselor. Once a transcript evaluation has been completed and added to a student's academic record, it is considered a permanent part of their educational history and cannot be removed. To learn how to submit a request for a formal transcript evaluation, visit missioncollege.formstack.com/forms/evaluations

Evaluation of Coursework

Coursework will be evaluated by Mission College for applicability to a variety of areas, with each having different requirements.

Evaluation for Prerequisite Clearance

Prior college coursework can often be used to grant a student clearance to meet or bypass a course prerequisite. Please visit missioncollege.edu/prerequisites for the most up to date information on the prerequisite clearance process.

Evaluation for Elective Credit

Courses completed at an appropriately accredited institution can be used to satisfy elective requirements at Mission College as long as they are associate degree or baccalaureate level or higher. Elective credit can be awarded even if Mission College does not have an equivalent class.

Evaluation for Major/Program Requirements

Courses completed at an appropriately accredited institution can be used to satisfy major requirements at Mission College upon approval by the appropriate Department Chair or designee with a Course Substitution request. These are approved on a case-by-case basis.

NOTE: These approvals may not be honored at other campuses or universities, so it is recommended that you work closely with a Counselor or the Articulation Officer.

Evaluation for General Education

Courses completed at another California Community College that are approved for an associate degree general education category, for CSU GE-B or for IGETC will be applied to the parallel general education category at Mission College regardless of whether Mission College has an equivalent course. Visit ccctransfer.org/ge to locate General Education requirements at other California Community Colleges.

General education courses completed at an appropriately accredited institutions will be applied to the parallel general education category at Mission College

Evaluation of Foreign Coursework

Foreign coursework must first be evaluated by an accredited evaluation service, and then reviewed by the Mission College Records Office. For **Program Requirements**, some courses will require approval by the appropriate department chair or designee. Courses may be used to fulfill prerequisite, program, general education and elective unit requirements only if course descriptions, in English, are submitted for review along with the evaluated foreign transcript. Mission College will not determine course transferability to other colleges and universities.

To have foreign coursework evaluated, students need to contact one of the approved evaluation agencies listed below and request a detailed equivalency report that includes the course level (upper or lower division), its U.S. semester-unit equivalency and the grade the student earned:

- IERF (International Education Research Foundation) | ierf.org
- NACES (National Association of Credential Evaluation Services) | naces.org
- WES (World Education Service) | wes.org
- IIC (International Institute of California) | iicus.com
- IESCAREE (International Evaluation Service Center) | iescaree.com

The official foreign evaluation along with a Transcript Evaluation form must be submitted to the Admissions and Records Office. For evaluation for general education, complete the Transcript Evaluation Form. For evaluation for major requirements, complete the Course Substitution Form. Both forms can be found at missioncollege.edu/forms. Note that Mission College will not determine course transferability to other colleges and universities.

Evaluation of Upper Division Units

In general, non-CCC courses applied to general education and Mission College Program Requirements should be classified as lower division. However, Mission College will accept coursework completed at the upper division level from an institutionally accredited college or university if the course is deemed comparable to a Mission College course by the appropriate Department Chair, a designee, an articulation agreement or based on one of the following:

- (1) A non-CCC course is determined to be comparable to one taught and approved for AA/AS, IGETC, or CSU GE-B at a CCC.
- (2) When a CSU uses an upper-division course in its "lower-division" General Education Breadth Pattern.
- (3) When a UC or CSU campus has classified a course or series as upper division but has requested that the system-wide offices allow lower division transfer credit, an equivalent course is taught at a community college or because the preparation of the subject is desired prior to transfer from the two-year institution to the four-year institution. Current examples include some math, organic chemistry and abnormal psychology courses.

Courses may be used to meet a program requirement, an associate degree general education requirement, or a prerequisite but, at this time, will be accepted for subject credit only; units will not be awarded. In all cases, these courses should have sufficient breadth to meet CSU GE-B and IGETC.

Note that to graduate, students are required to complete a minimum of 39 semester units of lower-division general education for CSU and a minimum of 34 units of lower-division general education for UC. If students apply upper division units to the lower division requirements for certification, they may need to complete additional lower-division units to reach the minimum requirements. Consult with the specific institution for details.

Regional General Education Reciprocity Agreement for A.A. and A.S. Degrees

The West Valley Mission Community College District has entered into a mutual agreement with 12 other Community Colleges to accept the General Education of these colleges "as completed." The participating colleges are Cabrill, Chabot, De Anza, Evergreen Valley, Foothill, Gavilan, Hartnell, Las Positas, Monterey Peninsula, Ohlone, San Jose City and West Valley.

This means that students who obtain a certification of completion of the Associate Degree General Education requirements will have their General Education requirements accepted "as completed". No additional general education course work will be required if the certification is officially presented.

However, students will still be required to complete all course or prerequisites needed for a major. The agreement also means that the other participating colleges will accept the General Education pattern of Mission if a certification is presented to the member colleges. To obtain certification of Mission College General Education, students must present a General Education Reciprocity Program Certification form from their prior institution to the Records Office.

Completion of General Education Completion for A.A. and A.S. Degrees for Holders of a Degree from Other Institutions

Mission College will accept "as completed" the General Education requirements needed for an Associate in Arts or Associate in Science degree if the student's degree was granted from an appropriately accredited institution.

Credit for Prior Learning

Credit for prior learning is college credit awarded for validated college-level skills and knowledge gained outside of a college classroom, it can help you earn credit for what you already know and can do. Students have an opportunity to demonstrate their prior learning through Internal Exams offered by our various academic departments. Students' knowledge and skills might be gained through experiences such as:

- Military training
- Industry training
- State/federal government training
- Volunteer and civic activities (e.g. Peace Corps)
- Apprenticeships, internships, work-based learning, or other industry-based experiential learning

Credit by Internal Exam

Credit by internal examination allows students to use acquired knowledge, abilities and competencies to challenge certain courses for units. Not every course is available for credit by exam. The credit by exam status for each course is determined by each department and is noted on the official course outline of record. A master list of all courses eligible for credit by exam can be found on the webpage: missioncollege.edu/admissions/forms.html.

Credit will be granted to any student who meets the requirements for credit by exam and who successfully passes an examination approved and conducted by the proper authorities of the college. Grading shall be according to the regular grading scale: except Pass/No Pass Option shall be offered, as an option, if it is ordinarily available for the course.

A student wishing to challenge a course using credit by examination can obtain a student petition for Credit by Examination form at missioncollege.edu/admissions/forms.html or from Admissions and Records. The student must file the application with the Admissions and Records department prior to the end of the sixth week in Fall or Spring regular semesters. Examinations are only given during the Fall and Spring regular semesters. If the petition is approved, the student will be notified of the time, place, and manner of the examination.

The students will need to enroll in a course created specifically for this purpose and must pay a fee equal to the usual per unit enrollment fees for the course. Fees for credit by examination are non-refundable.

Students are cautioned that any credits obtained by any of the methods listed below, while accepted by Mission College, may not be acceptable for credit by any other institution, public or private. It is the student's responsibility to check with other institutions to determine the acceptability of any credit earned by examination.

Conditions for Credit by Internal Examination

1. The student must be registered and in good standing at Mission College
2. The student can demonstrate that they are especially qualified, through previous training or instruction, to complete such an examination
3. A maximum of twelve (12) semester units toward an associate degree may be earned by courses for which credit has been earned by examination
4. Students may attempt each examination only once, and the resulting grade will be recorded permanently
5. Grading for the examination shall be according to the regular grading system except that students shall be offered a "pass - no pass" option if that option is ordinarily available for the course
6. The units earned through such examination shall not be used to satisfy the minimum twelve (12) semester hours of credit in residence required for an associate degree.
7. Credit by examination is not applicable to meeting of such load requirements for Selective Service deferment, Veteran's or Social Security benefits
8. Examinations are only given during the Fall and Spring regular semesters and requests must be received by the 6th week of the semester to be processed during that semester

Prerequisite Clearance and Challenge

Prior coursework, including some high school courses, external exams or alternative learning experiences can often be used to grant a student clearance to meet or bypass a course prerequisite. Please visit missioncollege.edu/prerequisites for the most up to date information on the prerequisite clearance process.

Credit for Military Service

Six (6) semester units will be granted to any actively enrolled student with an approved DD-214 that shows completion of basic training in the Armed Services of the United States and any discharge other than dishonorable. An approved DD-214 will satisfy AA/ AS General Education Area E and CSU GE-B Area E. Additional credit may be awarded for military service in accordance with recommendations by the American Council on Education (ACE Military Guide). Any credit granted will be posted to the student's academic record upon receipt of the official documentation.

Credit For External Exams

Mission College recognizes high achievements by students who have successfully completed a range of external exams. Exam scores can be used to clear prerequisites, and once official scores are received by the college, applicable course credit will be awarded. Each type of exam has specific applicability and limitations. See the appropriate exam page for more information on each. If a student duplicates an external exam with another exam of the same subject content, and/or an exam with a college course, credit will only be awarded once.

Credit for Advanced Placement (AP) Exams

Mission College awards credit for exams in the Advanced Placement Program with a score of 3, 4, or 5. The granted credit may be used for purposes of general education, graduation, and/or advanced placement in the College's sequence of courses.

College Level Examination Program (CLEP) Exams

Mission College awards credit for the College Level Examination Program exams with a minimum score of 50. CLEP credit can be used to meet AA/AS General Education requirements, CSU GE-B requirements and CSU elective credit. CLEP cannot be used to satisfy IGETC requirements.

International Baccalaureate Program (IB) Exams

Mission College awards credit IB tests with scores of 4 or higher and can be used to meet elective as well as AA/AS, CSU GE-B and IGETC general education requirements.

Defense Language Proficiency Test (DLPT)

Mission College awards credit for the DLPT, using the American Council on Education (ACE) recommendations. Based on the recommendations, students may receive three lower division semester hours in CSU GE Breadth Area C2.

Any of the following documents may be provided to award credit for the DLPT:

- Official Defense Language Institute Foreign Language (DLIFLC) Transcripts
- Official Joint Services Transcripts (JST)
- Defense Manpower Data Center (DMDC) DLPT Examinee Results

DA Form 330 Language Proficiency Questionnaire.

College Credit for International Baccalaureate Program Exams (IB)

IB EXAM	MINIMUM SCORE FOR MISSION COLLEGE AND CSU	AA/AS GE FOR MISSION COLLEGE (3 UNITS EACH)	CSU GE-B AREA (3 UNITS)	MINIMUM SCORE FOR UC	IGETC AREA (3 UNITS)	SEMESTER CREDITS EARNED TOWARD MC, CSU AND UC
Biology HL	5	Area A-5	Area B2	5	5B	6 MC, 6 CSU, 5.3 UC
Chemistry HL	5	Area A-5	Area B1	5	5A	6 MC, 6 CSU, 5.3 UC
Economics HL	5	Area A-4	Area D	5	4	6 MC, 6 CSU, 5.3 UC
Geography HL	5	Area A-4	Area D	5	4	6 MC, 6 CSU, 5.3 UC
History (any region) HL	5	Area A-3 or Area A-4	Area C2 or D	5	3B or 4	6 MC, 6 CSU, 5.3 UC
Language A Literature*	4	Area A-3	Area C2	5	3B and 6A	6 MC, 6 CSU, 5.3 UC
Language A - Language and Literature (except English)	4	Area A-3	Area C2	5	3B and 6A	6 MC, 6 CSU, 5.3 UC
Language B (any language) HL	4	Area A-3	NA	5	6A	6 MC, 6 CSU, 5.3 UC
Mathematics HL	4	Area A-2	Area B4	5	2A	6 MC, 6 CSU, 5.3 UC
Physics HL	5	Area A-5	Area B1	5	5A	6 MC, 6 CSU, 5.3 UC
Psychology HL	5	Area A-4	Area D	5	4	3 MC, 3 CSU, 5.3 UC
Theatre HL	4	Area A-3	Area C1	5	3A	6 MC, 6 CSU, 5.3 UC

College Credit for Advanced Placement Exam (AP)

AP EXAM	AA (MAJOR AND/OR GE) FOR MISSION COLLEGE	CSU GE-B	UNITS EARNED TOWARD AA AND CSU TRANSFER	IGETC AND UC SUBJECT AREA	UNITS EARNED TOWARD UC TRANSFER
Art History	ART 001A and 001B	Area C1 or C2 3 semester units	6 semester units	Area 3A or 3B UC-H	5.3 semester units
Biology	BIO 010+BIO 010L	Area B2 and B3 4 semester units	6 semester units	Area 5B and 5C UC-S	5.3 semester units
Calculus AB	MAT 003A	Area B4 3 semester units	Area B4 3 semester units	Area 2A UC-M	2.6 semester units
Calculus BC	MAT 003A (score of 3) MAT 003A and MAT 003B (score of 4 or 5)	Area B4 3 semester units	6 semester units	Area 2A UC-M	5.3 semester units
Calculus BC/AB Subscore	MAT 003A and MAT 003B (score of 4 or 5 only)	Area B4 3 semester units	3 semester units	Area 2A UC-M	2.6 semester units
AP CALCULUS EXAM LIMITATIONS			Maximum one exam per subject can be used for credit and transfer		Max 5.3 semester units for both AB and BC; Max 2.6 semester for both AB and the AB subscore
Chemistry	CHM 001A	Areas B1 and B3 4 semester units (EFF FA09)	6 semester units	Area 5A and 5C UC-S	5.3 semester units
Chinese Language and Culture	Area A-3	Area C2 3 semester units	6 semester units	Area 3B and 6A UC-H	5.3 semester units
Computer Science A	CIS 037A	N/A	3 semester units	N/A	5.3 semester units (EFF FA18)
Computer Science AB	CIS 037A	N/A	6 semester units	N/A	5.3 semester units
Computer Science Principles	Department Approval Needed	Area B4 3 semester units (EFF FA19)	6 semester units***	N/A	5.3 semester units
AP CS EXAM LIMITATIONS			Maximum one Calculus or Computer Science exam toward Bachelors		Maximum 5.3 semester units for Computer Science A and AB
Economics - Macroeconomics	ECN 001A	Area D 3 semester units	3 semester units	Area 4 UC-B	2.6 semester units
Economics - Microeconomics	ECN 001B	Area D 3 semester units	3 semester units	Area 4 UC-B	2.6 semester units
English - Language and Composition	ENG 001A	Area A2 3 semester units	6 semester units	Area 1A UC-E	5.3 semester units
English - Literature and Composition	ENG 001A and Area A-3	Area A2 and C2 6 semester units	6 semester units	Area 1A or 3B UC-E or UC-H	5.3 semester units
AP ENGLISH EXAM LIMITATIONS					Maximum 5.3 semester units for both
Environmental Science	BIO 025	Area B1 and B3 4 semester units	4 semester units	Area 5A and 5C UC-S	2.6 semester units
French Language and Culture	Area A-3	Area C2 3 semester units	6 semester units	Area 3B and 6A UC-H	5.3 semester units
German Language and Culture	Area A-3	Area C2 3 semester units	6 semester units	Area 3B and 6A UC-H	5.3 semester units
Government and Politics - Comparative	Area A4	Area D 3 semester units	3 semester units	Area 4 UC-B	2.6 semester units
Government and Politics - U.S.	POL 001	Area D and US-2 3 semester units	3 semester units	Area 4 UC-B	2.6 semester units

AP EXAM	AA (MAJOR AND/OR GE) FOR MISSION COLLEGE	CSU GE-B	UNITS EARNED TOWARD AA AND CSU TRANSFER	IGETC AND UC SUBJECT AREA	UNITS EARNED TOWARD UC TRANSFER
AP GOVERNMENT EXAM LIMITATIONS		Does not fulfill AHI California Government requirement. Student can satisfy the AHI requirement after transfer			
History - European	HIS 004B	Area C2 or D 3 semester units	6 semester units	Area 3B or 4 UC-B or UC-H	5.3 semester units
History - U.S. History	HIS 017A	Area C2+US-1 or D+US-1 3 semester units	6 semester units	Area 3B or 4 UC-B or UC-H	5.3 semester units
History - World History-Modern	Area A-3 or Area A-4	Area C2 or D 3 semester units	3 semester units	Area 3B or 4 UC-B or UC-H	5.3 semester units
Human Geography	Area A-4	Area D 3 semester units	3 semester units	Area 4 UC-B	2.6 semester units
Italian Language and Culture	Area A-3	Area C2 3 semester units	6 semester units	Area 3B and 6A UC-H	5.3 semester units
Japanese Language and Culture	Area A-3	Area C2 3 semester units	6 semester units	Area 3B and 6A UC-H	5.3 semester units
Latin	Area A-3	Area C2 3 semester units	6 semester units	Area 3B and 6A UC-H	2.6 semester units
Music Theory	Area A-3	N/A	3 units (AA/AS units only)	Area 3B and 6A UC-H	5.3 semester units
Physics 1	PHY 002A	Area B1 and B3 4 semester units	4 semester units	Area 5A and 5C UC-S	5.3 semester units
Physics 2	PHY 002B	Area B1 and B3 4 semester units	4 semester units	Area 5A and 5C UC-S	5.3 semester units
Physics C - Mechanics	PHY 004A	Area B1 and B3 4 semester units	4 semester units	Area 5A and 5C UC-S	2.6 semester units
Physics C - Electricity and Magnetism	PHY 004B	Area B1 and B3 4 semester units	4 semester units	Area 5A and 5C UC-S	2.6 semester units
AP PHYSICS EXAM LIMITATIONS			Maximum 4 semester units toward GE and 6 semester units toward transfer		Maximum 5.3 semester units for all
Psychology	PSY 001	Area D 3 semester units	3 semester units	Area 4 UC-B	2.6 semester units
Spanish Literature and Culture	SPA 003	Area C2 3 semester units	6 semester units	Area 3B and 6A UC-H	5.3 semester units
Spanish Literature and Culture	SPA 004	Area C2 3 semester units	6 semester units	Area 3B and 6A UC-H	5.3 semester units
Statistics	MAT 010 or SOC 016	Area B4 3 semester units	3 semester units	Area 2A UC-M	2.6 semester units
Studio Art - 2D Design	Department Approval Needed	N/A	3 semester units	N/A	5.3 semester units
Studio Art - 3D Design	Department Approval Needed	N/A	3 semester units	N/A	5.3 semester units
Studio Art - Drawing	Department Approval Needed	N/A	3 semester units	N/A	5.3 semester units
AP STUDIO ART EXAM LIMITATIONS					Maximum 5.3 semester units for all

College Credit for College Level Examination Program (CLEP)

CLEP EXAM	MINIMUM SCORE FOR MISSION COLLEGE/CSU	AA/AS GE FOR MISSION COLLEGE (3 UNITS EACH)	MINIMUM CSU UNITS ALLOWED	IGETC AND UC SUBJECT AREA
American Government	50	Area A-4	3 semester units	Area D, 3 semester units
American Literature	50	Area A-3	3 semester units	Area C2, 3 semester units
Analyzing and Interpreting Literature	50	Area A-3	3 semester units	Area C2, 3 semester units
Biology	50	Area A-5	3 semester units	Area B2, 3 semester units
Calculus	50	Area A-2	3 semester units	Area B4, 3 semester units
Chemistry	50	Area A-5	3 semester units	Area B1, 3 semester units
College Algebra	50	Area A-2	3 semester units	Area B4, 3 semester units
College Algebra - Trigonometry	50	Area A-2	3 semester units	Area B4, 3 semester units
Financial Accounting	50	N/A	3 semester units	N/A
French Level I*	50	N/A	6 semester units	N/A
French Level II*	59	Area A-3	9 semester units	Area C2, 3 semester units
English, Freshman College Composition	50	N/A	N/A	N/A
German Level I*	50	N/A	6 semester units	N/A
German Level II*	60	Area A-3	9 semester units	Area C2, 3 semester units
History, United States I	50	Area A-4	3 semester units	Area D + US-1, 3 semester units
History, United States II	50	Area A-4	3 semester units	Area D + US-1, 3 semester units
Human Growth and Development	50	Area A-4	3 semester units	Area E, 3 semester units
Humanities	50	Area A-3	3 semester units	Area E, 3 semester units
Information Systems and Computer Applications	50	N/A	3 semester units	N/A
Introduction to Educational Psychology	50	N/A	3 semester units	N/A
Introduction to Business Law	50	N/A	3 semester units	N/A
Introductory Psychology	50	Area A-4	3 semester units	Area D, 3 semester units
Introductory Sociology	50	Area A-4	3 semester units	Area D, 3 semester units
Natural Sciences	50	Area B	3 semester units	Area B1 or Area B2, 3 semester units
Pre-Calculus	50	Area A-5	3 semester units	Area B4, 3 semester units
Principles of Accounting	50	N/A	3 semester units	N/A
Principles of Macroeconomics	50	Area A-4	3 semester units	Area D, 3 semester units
Principles of Microeconomics	50	Area A-4	3 semester units	Area D, 3 semester units
Principles of Marketing	50	N/A	3 semester units	N/A
Spanish Level I*	50	N/A	6 semester units	N/A
Spanish Level II*	50	Area A-3	6 semester units	Area C2, 3 semester units
Western Civilization I	50	Area A-3 or Area A-4	3 semester units	Area C2 or Area D, 3 semester units
Western Civilization II	50	Area A-3 or Area A-4	3 semester units	Area D, 3 semester units

Transfer Preparation



Mission College is here to support students in reaching their transfer goals. Students are provided the opportunity to complete the general education and most of the lower division major requirements before transferring to the University of California (UC), the California State University (CSU), independent and out-of-state colleges and universities.

Students who wish to transfer to CSU will typically pursue an Associate Degree for Transfer. Students who are planning to transfer should meet with a counselor to develop an educational plan which will identify the courses needed to transfer to the student's institution of choice.

Transfer Information from ASSIST

ASSIST is a state-wide database specifically designed to provide course comparability information between the California Community College (CCC) and University of California (UC) and the California State University (CSU) campuses.

ASSIST displays major preparation agreements between the CCC and many of the UC and CSU transfer schools; complete lists of courses acceptable for transfer to the UC and CSU; and IGETC and CSU GE-Breadth lists for the CCCs. ASSIST does not contain information regarding independent and out-of-state colleges and universities. ASSIST is an excellent tool to use in conjunction with regular counseling appointments to provide proper transfer planning. ASSIST information can be found at www.assist.org.

C-ID Designation

Courses with a C-ID designation will articulate seamlessly to any other California Community College having a course with the same C-ID designation. Many Mission College courses have been C-ID approved and given a C-ID designation. Courses with C-ID designation are indicated in their listing in this catalog. We also advise students to search the state database to find the most up-to-date C-ID information. c-id.net/courses/search

It is important to note however, that any CSU GE-B or IGETC designation a C-ID course may have is not connected to the C-ID designation and should not be assumed. Thus, a course with a C-ID designation which fulfills a general education requirement at the institution where it was taken is still subject to evaluation for fulfilling a general education requirement by the transfer institution.

You can also search for CSU courses that have been identified by campuses as comparable to C-ID descriptors, by discipline or CSU campus. The CSU courses listed will articulate with approved California Community College courses with C-ID designation. Comparable identification does not imply CSU-to-CSU articulation, nor does it imply reverse articulation of CSU-to-CCC courses.

Transfer Admission Guarantees (TAGs)

Mission College has many Transfer Admission Guarantee (TAG) agreements. A Transfer Admission Guarantee (TAG) is a program that offers students from California community colleges guaranteed admission to several colleges and universities.

Many colleges, including UC, CSU, and private campuses, have transfer guarantees in partnership with Mission College. TAG programs require students to meet certain requirements and deadlines, and in some cases, fill out a contract.

Students who comply with the agreement and apply for admission during the appropriate filing period are guaranteed admission. For information and qualifications, visit the Counseling Office (missioncollege.edu/counseling) or the Transfer Center (missioncollege.edu/transfer).



Transfer to a California State University

Students who are in good standing at Mission College are eligible for admission to the California State University when they meet the following standards:

1. Have completed a minimum of 60 semester units of CSU transferable college credit.
2. Have a 2.0 grade point average or better in the transferable credits. Specific majors at specific campuses may have a higher GPA requirement.
3. Have completed one of the following General Education requirements
 - A Complete the CSU GE-B requirements.
 - B Complete the IGETC for CSU requirements.
 - C Complete at least 30 semester units of general education coursework applicable to the CSU GE-B requirements. Each course must be completed with a C (or "P") or better, and within the 30 units the student must complete a course from each of the following areas:
 - Area A1: Oral Communication
 - Area A2: Written Communication
 - Area A3: Critical Thinking
 - Area B4: Mathematics/Quantitative Reasoning

Transfer to the University of California

All campuses of the University of California have the same undergraduate admission requirements. Mission College students who are in good standing are eligible for admission to the University of California when they have met the following standards:

1. Have completed 60 semester units of UC transferable college credit
2. Have a grade point average of at least 3.0 on a 4.0 scale. Non-residents must have a minimum 3.4 grade point average. (No more than 14 semester units may be taken Pass/No Pass)
3. Have completed one of the following General Education Patterns:
 - A Intersegmental General Education Transfer Curriculum (IGETC UC or IGETC for STEM)
 - B UC Seven Course Pattern (Completion of this pattern satisfies UC admissions requirements but does not guarantee admission to any UC campus. This pattern is strongly recommended for high unit math, science, and engineering majors.) Students must complete the IGETC applicable courses below, earning a grade of "C" or "P" or better in each course:
 - One course from Area A: English Composition
 - One course from Area B: Critical Thinking
 - One course from Area 2: Mathematical Concepts and Quantitative Reasoning
 - Four courses from at least two of the following areas
 - Area 3A: Arts
 - Area 3B: Humanities
 - Area 4: Social and Behavior Sciences
 - Area 5: Physical and Biological Sciences

Transfer to Independent and Out-of-State Colleges and Universities

Mission College has articulated general education requirements with a number of independent and out-of-state institutions, such as Notre Dame University, University of the Pacific, and the University of Southern California.

In addition, many independent institutions will accept completion of the CSU GE-B and/or the IGETC general education curriculum in place of their own lower-division general education requirements. Students wishing to transfer to an independent or out-of-state college should meet with a Mission College counselor early in their academic journey to plan for a seamless transfer experience.



General Education Philosophy and Requirements



The awarding of an associate degree is intended to represent more than an accumulation of units. General education leads students through patterns of learning experiences designed to develop certain capabilities and insights. Among these are the ability to think and to communicate clearly and effectively both orally and in writing; to use mathematics, 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.

Degree earning students at Mission College must complete one General Education curriculum, based on the requirements of the degree they are seeking.

Students completing an Associate Degree for Transfer must complete one of the following:

1. CSU GE-B (California State University General Education Breadth). Students earning the Biology AS-T may choose to complete the variation of the CSU GE-B known as the CSU GE-B for STEM.
2. Intersegmental General Education Transfer Curriculum (IGETC). Students seeking to transfer to CSU, should complete the IGETC for CSU variation, while students seeking to transfer to UC should complete the IGETC for UC variation. Students seeking to transfer to UC, who are earning the Biology AS-T should complete the IGETC for STEM variation.

Students completing an Associate of Arts or Associate of Science degree must complete one of the following:

1. Mission College General Education Curriculum
2. CSU GE-B (California State University General Education Breadth).
3. Intersegmental General Education Transfer Curriculum (IGETC).

General education requirements may be fulfilled through Credit for Prior Learning opportunities, previous degree completion, or reciprocity agreements. Additional information can be found in the Credit for Prior Learning section of this catalog

Institutional Learning Outcomes (ILOs)

Our philosophy of general education is further embodied in our Institutional Learning Outcomes. Students achieve these outcomes through general education coursework, coursework in their major, electives, and learning experiences outside the classroom. Mission College's Institutional Learning Outcomes are:

Effective Communication Students will successfully engage in verbal and non-verbal expression through written, oral, signed, and/or artistic communication of ideas and concepts.

Personal Development and Ethical Responsibility Students will apply techniques for physical and mental development that include the application of ethical principles to personal, academic, and professional matters.

Critical Inquiry Students will apply principles of scientific and critical inquiry, including quantitative and qualitative techniques for the analysis of relevant questions, problems, or issues.

Community and Citizenship Students will analyze the interconnectivity between social, political, economic, and ecological systems to effectively live and work in diverse communities.

Information and Technology Literacy Students will apply current techniques, skills, and tools to responsibly access, analyze, and effectively use information, technology, and media.

Mission College GE for AA and AS Degrees

The Mission College General Education curriculum is one of three general education curriculum options for students earning the Associate in Arts (AA) or Associate in Science (AS) degrees. Students must complete a minimum of 24 units from 7 different areas. Students retain catalog rights to the general education curriculum listed in the College Catalog when their continuous enrollment begins.

If a break in attendance occurs, completed requirements will be honored. Please note that courses on this list can change, and for a course to fulfill a requirement it must be listed in the catalog at the time it was taken by the student.

Students interested in transfer to a four-year college or university may opt to complete the CSU GE-B or IGETC curriculum patterns. Students should consult with a counselor to determine which general education option best meets their goals.

Area A-1: English Composition, Oral Communication and Critical Thinking: 2 courses | 6 units

Complete one course from each area.

Area A-1A: English Composition

- ENG 001A - English Composition
- ENG 001AX - English Composition with Additional Support (5)

Area A-1B: Oral Communication and Critical Thinking

- COM 001 or 001H - Introduction to Public Speaking
- COM 010 - Persuasive Speaking
- COM 014 - Teamwork and Leadership in Small Groups
- COM 015 - Fundamentals of Human Communication in Professional and Career Contexts
- COM 020 or COM 020H - Argumentation, Advocacy and Debate
- ENG 001B - English Composition and Literature
- ENG 001C - Clear Thinking in Writing
- PHI 002 - Introduction to Logic
- PHI 003 - Introduction to Problems in Ethics
- POL 020 - Controversial Legal Issues

Area A-2: Mathematical Concepts and Quantitative Reasoning: 1 course | 3 units

- ACC 046 - Personal Finance
- CIS 051 - Introduction to Data Analysis (4)
- MAT 000D - Trigonometry
- MAT 000G - Math for Liberal Arts Students (4)
- MAT 001 - College Algebra (4)
- MAT 001X - College Algebra with Additional Support (6)
- MAT 002 - Pre-Calculus and Trigonometry (6)
- MAT 003A or 003AH - Analytic Geometry and Calculus I (5)
- MAT 003B - Analytic Geometry and Calculus II (5)
- MAT 004A - Multivariable Calculus (5)
- MAT 004B - Differential Equations (4)
- MAT 004C - Linear Algebra (4)
- MAT 010 or 010H - Elementary Statistics (4)
- MAT 010X - Elementary Statistics with Additional Support (6)
- MAT 012 - Calculus for Business (4)
- MAT 019 - Discrete Mathematics (4)
- SOC 016 - Introduction to Statistics Social and Behavioral Sciences

Area A-3: Arts and Humanities: 1 course | 3 units

- ARB 001 - First Semester Arabic (5)
- ARB 002 - Second Semester Arabic (5)
- ART 001A - Survey of Western Art I
- ART 001B - Survey of Western Art II
- ART 001D - Survey of Modern Art
- ART 004 - Art Appreciation
- ART 007 - Survey of Asian Art
- ART 011 - The History of Modern Design
- ART 031A - Beginning Drawing
- ART 031B - Intermediate Drawing
- ART 033A - Basic Design: Two-Dimensional
- ART 033B - Basic Design: Three-Dimensional
- ART 034A - Introduction to Digital Art
- ART 034B - Advanced Digital Art
- ART 035A - Life Drawing
- ART 035B - Life Drawing
- ART 039A - Survey of Printmaking
- ART 047A - Watercolor
- ART 047B - Watercolor
- ART 048A - Airbrush Painting: Introduction
- ART 048B - Airbrush Painting: Beginning
- ART 049A - Painting
- ART 049B - Painting
- ART 065A - Ceramics-Handbuilding: Introduction
- ART 065B - Ceramics-Handbuilding: Beginning
- ART 067A - Ceramics-Potter's Wheel: Introduction
- ART 067B - Ceramics-Potter's Wheel: Beginning
- ART 075A - Metalsmithing: Introduction
- ART 075B - Metalsmithing: Beginning
- ART 085A - Sculpture: Introduction
- ART 085B - Sculpture: Beginning
- ART 088A - Metal Sculpture Casting: Introduction
- ART 088B - Metal Sculpture Casting: Beginning
- CHI 001 - First Semester Chinese (5)
- CHI 002 - Second Semester Chinese (5)
- COM 012 - Intercultural Communication
- ENG 001B - English Composition and Literature
- ENG 005A - English Literature through 18th Century
- ENG 005B - English Literature from 19th Century to Present
- ENG 006B - World Literature
- ENG 007A - American Literature to 1865
- ENG 007B - American Literature 1865 to Present
- ENG 012 - African American Literature
- ENG 013 - Latina/o Literature
- ENG 015 - Introduction to Film Analysis
- ENG 043 - Classical Mythology
- ENG 048 - Introduction to Shakespeare
- ENG 070 - Creative Writing
- ETH 013 - Latina/o Literature
- GDS 011 - History of Modern Design
- GDS 012 - History of Photography
- GDS 015 - Photo-media and Social Change
- GDS 022 - Digital Media for Marketing
- GDS 032 - Digital Drawing
- GDS 062 - Digital Illustration with Adobe Illustrator
- GDS 069 - 3D for Designers and Illustrators
- GDS 073 - Digital Photography
- HIS 004A or 004AH - History of Western Civilization
- HIS 004B or 004BH - History of Western Civilization
- HIS 015 or 015H - World History to 1500
- HIS 016 or 016H - World History since 1500
- HIS 017A or 017AH - History of the United States to 1877
- HIS 017B or 017BH - History of the United States since 1877
- HIS 033 or 033H - Women's Issues Past and Present
- HUM 001A - Human Values in and from the Arts
- HUM 001B - Human Values in and from the Arts
- HUM 007 - International Films
- HUM 015 - Introduction to Film Analysis
- HUM 016A - Hispanic Roots and Culture
- HUM 018 or 018H - African American Culture and Humanities
- HUM 020 - Asian Roots and Culture
- HUM 022 - Introduction to Islam
- HUM 024 - The Asian American Experience
- HUM 030 - Cultural Studies
- JPN 001 - First Semester Japanese (5)
- JPN 002 - Second Semester Japanese (5)
- KIN 041 – 048 - Any Dance class(es) (1 ea)
- KIN 080 - Dance Appreciation
- LIN 001 - Introduction to Language and Linguistics
- MUS 005 - Fundamentals of Music Theory
- MUS 006 - Commercial Music Theory I
- MUS 007 - Commercial Music Theory II
- MUS 009 - Jazz Music History
- MUS 010 - Music Appreciation
- MUS 016 - Survey of Rock and Popular Music
- MUS 017 - Music of the World
- MUS 030A - Beginning Piano I (1)
- MUS 030B - Beginning Piano II (1)
- MUS 031A - Intermediate Piano I (1)
- MUS 031B - Intermediate Piano II (1)
- MUS 032A - Beginning Voice I (1)
- MUS 032B - Beginning Voice II (1)
- MUS 033A - Intermediate Voice I (1)
- MUS 033B - Intermediate Voice II (1)
- MUS 036A - Beginning Guitar I (1)
- MUS 036B - Beginning Guitar II (1)
- MUS 041A - Mission Chorus I (1)
- MUS 041B - Mission Chorus II (1)
- MUS 048A - Symphony Orchestra I (1)
- MUS 048B - Symphony Orchestra II (1)
- PHI 001 - Introduction to Philosophy
- PHI 002 - Introduction to Logic
- PHI 003 - Introduction to Problems in Ethics
- PHI 005 - Introduction to Social and Political Philosophy
- POL 007 - International Films
- SPA 001 - First Semester Spanish (5)
- SPA 002 - Second Semester Spanish (5)
- SPA 001L - First Semester Spanish Laboratory (.5)
- SPA 002L - Second Semester Spanish Laboratory (.5)
- SPA 003 - Third Semester Spanish (5)
- SPA 004 - Fourth Semester Spanish (5)
- SPA 050A - Basic Conversational Spanish and Culture
- SPA 050B - Basic Conversational Spanish and Culture
- VIE 001 - First Semester Vietnamese (5)
- VIE 002 - Second Semester Vietnamese (5)
- VIE 049A - Vietnamese for the Vietnamese-Speaking
- VIE 049B - Vietnamese Language & Culture for Fluent Speakers

Area A-4: Social and Behavioral Sciences: 1 course | 3 units

- ANT 002 - Introduction to Archaeology
- ANT 003 - Cultural Anthropology
- ANT 055 - Magic, Witchcraft, & Religion
- BUS 061 - Business and Society
- CHD 001 - Child Growth & Development
- CHD 002 - Child, Family and Community
- CHD 013 - Teaching Children in a Diverse Society
- CIS 001 - Introduction to Computer Science and Technology
- COM 014 - Teamwork and Leadership in Small Groups
- COU 055 - Valuing Diversity
- ECN 001A - Principles of Macroeconomics
- ECN 001B - Principles of Microeconomics
- ECN 006 - The Global Economy
- ETH 044 or 044H - African American History
- HIS 004A or 004AH - History of Western Civilization
- HIS 004B or 004BH - History of Western Civilization
- HIS 015 or 015H - World History to 1500
- HIS 016 or 016H - World History since 1500
- HIS 017A or 017AH - United States History to 1877
- HIS 017B or 017BH - United States History since 1877
- HIS 020 - History and Geography of California
- HIS 031 - History of East Asia
- HIS 033 or 033H - Women's Issues Past and Present
- HIS 044 or 044H - African American History
- HUM 007 - International Films
- HUM 016A - Hispanic Roots and Culture
- HUM 018 or 018H - African American Culture and Humanities
- HUM 024 - The Asian American Experience
- KIN 081 - Sports in Society
- LIN 001 - Introduction to Language and Linguistics
- POL 001 or 001H - American Government
- POL 002 - Comparative Government
- POL 004 - International Relations
- POL 006 - Politics of Race, Class and Gender
- POL 007 - International Films
- POL 020 - Controversial Legal Issues
- PSY 001 or 001H - General Psychology
- PSY 007 - Biological Psychology
- PSY 010 - Social Psychology
- PSY 012 - Human Growth and Development
- PYS 015 or 015H - Introduction to Research Methods
- PSY 025 - Introduction to Abnormal Psychology
- PSY 030 - Psychology of Addiction and Substance Abuse
- PSY 045 - Human Sexuality
- SJS 001 - Social Justice
- SJS 002 - Introduction to Gender Studies
- SJS 003 - Introduction to LGBTQ Studies
- SOC 001 or 001H - Introduction to Sociology
- SOC 002 or 002H - Social Problems
- SOC 021 - Introduction to Race and Ethnicity
- SOC 040 - Marriage and Family
- SOC 045 - Human Sexuality
- SOC 047 - Sociology of Criminology
- SOC 050 - Introduction to Criminal Justice
- SOC 054 - Concepts of Criminal Law
- SOC 060 - Community and the Justice System

Area A-5: Natural Sciences: 1 course | 3 units

- ANT 001 - Biological Anthropology
- ANT 001L - Biological Anthropology Laboratory (1)
- AST 001 - Astronomy
- AST 003 or 003H - Astronomy with Lab (4)
- AST 004 - Astrobiology – Life in the Universe
- BIO 001A or 001AH - General Biology: Cells (5)
- BIO 001B or 001BH - General Biology: Organisms (5)
- BIO 004 - Microbiology (5)
- BIO 010 - Introduction to Biology
- BIO 010L - Introduction to Biology Lab (1)
- BIO 011 - Human Biology (4)
- BIO 012 or 012H - Emerging Infectious Disease
- BIO 014 or 014H - Introductory Neuroscience
- BIO 016 - Marine Biology (4)
- BIO 017 or 017H - Genetics and Society
- BIO 018 or 018H - The Biology of Cancer
- BIO 019 - Oceans: Life in the Sea
- BIO 022 - Anatomy & Physiology for Allied Health Workers (4)
- BIO 025 or 025H - Environmental Biology
- BIO 030 - Tropical Ecology
- BIO 030L - Tropical Ecology Field Studies (1)
- BIO 032 - California Plants and Animals (4)
- BIO 047 - Human Anatomy (5)
- BIO 048 or 048H - Human Physiology (5)
- CHM 001A or 001AH - General Chemistry I (5)
- CHM 001B or 001BH - General Chemistry II (5)
- CHM 002 - Introductory Chemistry
- CHM 002L - Introduction to Chemistry Lab (1)
- CHM 012A or 012AH - Organic Chemistry I (5)
- CHM 012B or 012BH - Organic Chemistry II (5)
- CHM 030A - Fundamentals of Chemistry (4)
- CHM 060 - Survey of General, Organic and Biological Chemistry (4)
- GEO 001 - Introduction to Physical Geography
- GEO 001L - Introduction to Physical Geography Lab (1)
- NTR 015 or NTR 015H - Human Nutrition
- PHY 002A - General Physics – Mechanics & Thermodynamics (5)
- PHY 002B - General Physics – Electricity, Magnetism & Optics (5)
- PHY 003 - Introduction to Physics Problem Solving
- PHY 004A - Engineering Physics - Mechanics (5)
- PHY 004B - Engineering Physics - Electricity & Magnetism (5)
- PHY 004C - Engineering Physics - Light & Heat (5)
- PHY 004D - Engineering Physics - Atomic (2)
- PHY 010 - Introduction to Physics (4)
- PSY 007 - Biological Psychology

Area A-6: Ethnic Studies: 1 course | 3 units

- ENG 013 - Latina/o Literature
- ETH 013 - Latina/o Literature
- ETH 044 or 044H - African American History
- HIS 044 or 044H - African American History

Area A-7: Lifelong Learning: 1-3 courses | 3 units

3 additional units from any of the other GE areas OR 3 units from courses listed below.

- CHD 013 - Teaching in a Diverse Society
- CHD 017 - Child Health and Safety
- COM 008 or 008H - Improving Communication in Interpersonal Relationships
- COU 005 - Strategies for Success
- COU 012 - Careers and Lifestyles
- COU 012A - Career and Personality Assessments (1)
- COU 017 - Transfer Success and Life Transitions
- FDR 085 - Foundations for Sustainability in Hospitality, Tourism and Leisure Services
- FDR 096 - Healthy Cuisine
- HOC 006 - Personal Health and Lifestyle
- HOC 008 - Community Health Problems
- KIN - any Activity course(s)
- KIN 068 - Sport Psychology
- KIN 078 - Introduction to Kinesiology
- KIN 079 - Lifetime Fitness
- NTR 006 - Personal Health and Wellness
- NTR 040 or 040H - Nutrition and Disease

CSU - General Education Breadth

California State University GE-B General Education

The CSU General Education Breadth (CSU GE-B) is a general education program that allows California Community College students to fulfill lower-division GE requirements for the CSU. Students completing an Associate Degree or an Associate Degree for Transfer may choose this GE pattern.

Students must complete a minimum of 40 units from 7 different areas. Students retain catalog rights to the general education curriculum listed in the College Catalog when their continuous enrollment begins. If a break in attendance occurs, completed requirements will be honored. Please note that courses on this list can change, and for a course to fulfill a requirement it must be listed in the catalog at the time it was taken by the student.

*** Courses marked with this symbol, if taken prior to this catalog year, may not count toward the general education requirement. Please consult with a counselor for applicability.*

FULL CERTIFICATION (completion of all areas), PARTIAL CERTIFICATION, and CSU GE-B FOR STEM CERTIFICATION (for BIO AS-T only) are available. Students must request a certification to be sent to the transfer institution. Requests are made at www.parchment.com/u/registration/33323/institution.

Completion of this pattern also satisfies requirements for the Transfer Studies: CSU GE-Breadth Certificate of Achievement. Students must apply for graduation for the certificate to be awarded and indicated on their transcript.

Area A – English Language Communication and Critical Thinking: 3 courses | 9 units

Complete one course from each area. All courses from Area A must be completed with a C (or P) or better. ** Also fulfills some CSU's 2nd composition graduation requirement.*

A1. Oral Communication

- COM 001 or 001H - Introduction to Public Speaking
- COM 010 - Persuasive Speaking
- COM 015 - Fundamentals of Human Communication in Professional and Career Contexts
- COM 020 or COM 020H - Argumentation, Advocacy and Debate

A2. Written Communication

- ENG 001A - English Composition
- ENG 001AX - English Composition with Additional Support (5)

A3. Critical Thinking

- COM 020 or COM 020H - Argumentation, Advocacy and Debate
- ENG 001B - English Composition and Literature *
- ENG 001C - Clear Thinking in Writing *
- PHI 002 - Introduction to Logic
- PHI 003 - Introduction to Problems in Ethics *
- POL 020 - Controversial Legal Issues
- REA 054 - Critical College Reading & Thinking

Area B – Scientific Inquiry and Quantitative Reasoning: 3 courses | 9 units

Complete at least one course from each area.

B1. Physical Sciences

- AST 001 - Astronomy
- AST 003 or 003H - Astronomy with Lab (4)
- AST 004 - Astrobiology – Life in the Universe
- CHM 001A or 001AH - General Chemistry I (5)
- CHM 001B or 001BH - General Chemistry II (5)
- CHM 002 - Introductory Chemistry
- CHM 002L - Introduction to Chemistry Lab (1)
- CHM 012A or 012AH - Organic Chemistry I (5)
- CHM 012B or 012BH - Organic Chemistry II (5)
- CHM 030A - Fundamentals of Chemistry (4)
- CHM 060 - Survey of General, Organic and Biological Chemistry (4)
- GEO 001 - Introduction to Physical Geography
- GEO 001L - Introduction to Physical Geography Lab (1)
- PHY 002A - General Physics – Mechanics & Thermodynamics (5)
- PHY 002B - General Physics – Electricity, Magnetism & Optics (5)
- PHY 003 - Introduction to Physics Problem Solving
- PHY 004A - Engineering Physics - Mechanics (5)
- PHY 004B - Engineering Physics - Electricity & Magnetism (5)
- PHY 004C - Engineering Physics - Light & Heat (5)
- PHY 004D - Engineering Physics - Atomic (2)
- PHY 010 - Introduction to Physics (4)

B2. Biological Sciences

- ANT 001 - Biological Anthropology
- ANT 001L - Biological Anthropology Laboratory (1)
- BIO 001A or 001AH - General Biology: Cells (5)
- BIO 001B or 001BH - General Biology: Organisms (5)
- BIO 004 - Microbiology (5)
- BIO 010 - Introduction to Biology
- BIO 010L - Introduction to Biology Lab (1)

- BIO 011 - Human Biology (4)
- BIO 012 or 012H - Emerging Infectious Disease
- BIO 014 or 014H - Introductory Neuroscience
- BIO 016 - Marine Biology (4)
- BIO 017 or 017H - Genetics and Society
- BIO 018 or 018H - The Biology of Cancer
- BIO 019 - Oceans: Life in the Sea
- BIO 022 - Anatomy & Physiology for Allied Health Workers (4)
- BIO 025 or 025H - Environmental Biology
- BIO 030 - Tropical Ecology
- BIO 030L - Tropical Ecology Field Studies (1)
- BIO 032 - California Plants and Animals (4)
- BIO 047 - Human Anatomy (5)
- BIO 048 or 048H - Human Physiology (5)

B3. Laboratory Requirement

One course from B1 or B2 must contain a laboratory component. Lab courses are underlined.

B4. Mathematics/Quantitative Reasoning

Course from Area B4 must be completed with a "C" (or P) or better.

- ACC 046 - Personal Finance
- MAT 000D - Trigonometry
- MAT 000G - Math for Liberal Arts Students (4)
- MAT 001 - College Algebra (4)
- MAT 001X - College Algebra with Additional Support (6)
- MAT 002 - Pre-Calculus and Trigonometry (6)
- MAT 003A or 003AH - Analytic Geometry and Calculus I (5)
- MAT 003B - Analytic Geometry and Calculus II (5)
- MAT 004A - Multivariable Calculus (5)
- MAT 004B - Differential Equations (4)
- MAT 004C - Linear Algebra (4)
- MAT 010 or 010H - Elementary Statistics (4)
- MAT 010X - Elementary Statistics with Additional Support (6)
- MAT 012 - Calculus for Business (4)
- MAT 019 - Discrete Mathematics (4)
- SOC 016 - Introduction to Statistics Social and Behavioral Sciences

Area C – Arts and Humanities: 3 courses | 9 units

Complete one course from each area. (*Biology AS-T majors can defer Area C3 until after transfer.*)

C1. Arts

- ART 001A - Survey of Western Art I
- ART 001B - Survey of Western Art II
- ART 001D - Survey of Modern Art
- ART 004 - Art Appreciation
- ART 007 - Survey of Asian Art
- ART 011 - The History of Modern Design
- ART 031A - Beginning Drawing
- ART 033A - Basic Design: Two-Dimensional
- ART 034A - Introduction to Digital Art
- ART 035A - Life Drawing
- GDS 011 - History of Modern Design
- GDS 012 - History of Photography
- GDS 015 - Photo-media and Social Change
- KIN 080 - Dance Appreciation
- MUS 005 - Fundamentals of Music Theory
- MUS 009 - Jazz Music History
- MUS 010 - Music Appreciation
- MUS 016 - Survey of Rock and Popular Music
- MUS 017 - Music of the World

C2. Humanities

- ARB 001 - First Semester Arabic (5)
- ARB 002 - Second Semester Arabic (5)
- CHI 001 - First Semester Chinese (5)
- CHI 002 - Second Semester Chinese (5)
- COM 012 - Intercultural Communication
- ENG 001B - English Composition and Literature
- ENG 005A - English Literature through 18th Century
- ENG 005B - English Literature from 19th Century to Present
- ENG 006B - World Literature
- ENG 007A - American Literature to 1865
- ENG 007B - American Literature 1865 to Present
- ENG 012 - African American Literature

- ENG 013 - Latina/o Literature
- ENG 015 - Introduction to Film Analysis
- ENG 043 - Classical Mythology
- ENG 048 - Introduction to Shakespeare
- ENG 070 - Creative Writing
- ETH 013 - Latina/o Literature
- HIS 004A or 004AH - History of Western Civilization**
- HIS 004B or 004BH - History of Western Civilization**
- HIS 015 or 015H - World History to 1500
- HIS 016 or 016H - World History since 1500**
- HIS 017A or 017AH - History of the United States to 1877**
- HIS 017B or 017BH - History of the United States since 1877**
- HIS 033 or 033H - Women's Issues Past and Present**
- HUM 001A - Human Values in and from the Arts
- HUM 001B - Human Values in and from the Arts
- HUM 007 - International Films
- HUM 015 - Introduction to Film Analysis
- HUM 016A - Hispanic Roots and Culture
- HUM 018 or 018H - African American Culture and Humanities**
- HUM 020 - Asian Roots and Culture
- HUM 022 - Introduction to Islam
- HUM 024 - The Asian American Experience
- JPN 001 - First Semester Japanese (5)
- JPN 002 - Second Semester Japanese (5)
- LIN 001 - Introduction to Language and Linguistics
- PHI 001 - Introduction to Philosophy
- PHI 003 - Introduction to Problems in Ethics
- POL 007 - International Films
- SPA 001 - First Semester Spanish (5)
- SPA 002 - Second Semester Spanish (5)
- SPA 001L - First Semester Spanish Laboratory (.5)
- SPA 002L - Second Semester Spanish Laboratory (.5)
- SPA 003 - Third Semester Spanish (5)
- SPA 004 - Fourth Semester Spanish (5)
- SPA 050A - Basic Conversational Spanish and Culture
- SPA 050B - Basic Conversational Spanish and Culture
- VIE 001 - First Semester Vietnamese (5)
- VIE 002 - Second Semester Vietnamese (5)
- VIE 049A - Vietnamese for the Vietnamese-Speaking
- VIE 049B - Vietnamese Language & Culture for Fluent Speakers

C3. One additional course from either C1 or C2

Area D – Social Sciences: 2 courses | 6 units

(Biology AS-T majors can defer 1 course until after transfer.)

- ANT 002 - Introduction to Archaeology
- ANT 003 - Cultural Anthropology
- ANT 055 - Magic, Witchcraft, & Religion
- BUS 061 - Business and Society
- CHD 001 - Child Growth & Development
- CHD 002 - Child, Family and Community**
- CHD 013 - Teaching Children in a Diverse Society**
- COM 014 - Teamwork and Leadership in Small Groups
- COU 055 - Valuing Diversity**
- ECN 001A - Principles of Macroeconomics
- ECN 001B - Principles of Microeconomics
- ECN 006 - The Global Economy
- ETH 044 or 044H - African American History
- HIS 004A or 004AH - History of Western Civilization**
- HIS 004B or 004BH - History of Western Civilization**
- HIS 015 or 015H - World History to 1500
- HIS 016 or 016H - World History since 1500**
- HIS 017A or 017AH - United States History to 1877**
- HIS 017B or 017BH - United States History since 1877**
- HIS 020 - History and Geography of California
- HIS 031 - History of East Asia
- HIS 033 or 033H - Women's Issues Past and Present**
- HIS 044 or 044H - African American History
- HUM 007 - International Films
- HUM 016A - Hispanic Roots and Culture
- HUM 018 or 018H - African American Culture and Humanities**
- HUM 024 - The Asian American Experience
- KIN 081 - Sports in Society
- POL 001 or 001H - American Government
- POL 002 - Comparative Government
- POL 004 - International Relations
- POL 006 - Politics of Race, Class and Gender
- POL 007 - International Films
- POL 020 - Controversial Legal Issues
- PSY 001 or 001H - General Psychology
- PSY 007 - Biological Psychology
- PSY 010 - Social Psychology
- PSY 012 - Human Growth and Development
- PSY 015 or 015H - Introduction to Research Methods
- PSY 025 - Introduction to Abnormal Psychology
- PSY 030 - Psychology of Addiction and Substance Abuse
- PSY 045 - Human Sexuality
- SJS 001 - Social Justice
- SJS 002 - Introduction to Gender Studies
- SJS 003 - Introduction to LGBTQ Studies
- SOC 001 or 001H - Introduction to Sociology
- SOC 002 or 002H - Social Problems
- SOC 021 - Introduction to Race and Ethnicity
- SOC 040 - Marriage and Family
- SOC 045 - Human Sexuality
- SOC 047 - Sociology of Criminology
- SOC 050 - Introduction to Criminal Justice
- SOC 060 - Community and the Justice System**

Area E – Lifelong Learning and Self-Development: 1 course | 3 units

Complete a course or courses from the following to total at least three (3) units. (Up to one unit of Kinesiology activity courses may be applied to Area E)

- BIO 025 or 025H - Environmental Biology
- CHD 002 - Child, Family and Community**
- CHD 013 - Teaching in a Diverse Society**
- CHD 017 - Child Health and Safety**
- COM 008 or 008H - Improving Communication in Interpersonal Relationships
- COM 012 - Introduction to Intercultural Communication
- COM 014 - Teamwork and Leadership in Small Groups
- COU 005 - Strategies for Success
- COU 012 - Careers and Lifestyles
- COU 017 - Transfer Success and Life Transitions
- COU 055 - Valuing Diversity
- HOC 006 - Personal Health and Lifestyle
- KIN (up to 1 unit of Activity course)*
- KIN 068 - Sport Psychology
- KIN 078 - Introduction to Kinesiology
- KIN 079 - Lifetime Fitness
- NTR 006 - Personal Health and Wellness
- NTR 015 or 015H - Human Nutrition
- PSY 012 - Human Growth and Development
- PSY 045 - Human Sexuality
- SOC 045 - Human Sexuality

Area F – Ethnic Studies: 1 course | 3 units

- ENG 013 - Latina/o Literature
- ETH 013 - Latina/o Literature
- ETH 044 or 044H - African American History
- HIS 044 or 044H - African American History

While not required as part of the CSU GE- Breadth, students are advised of the CSU Graduation Requirement - U.S. History, Constitution and American Ideals (2 courses).

- US History and Constitution Requirement: Take one of the following - HIS 017A, 017AH, HIS 017B, 017BH, HIS 044, 044H, ETH 044, 044H.
- American Ideals Requirement: Take POL 001 or 001H.

Intersegmental General Education Transfer Curriculum for CSU (IGETC for CSU)

The Intersegmental General Education Transfer Curriculum for CSU (IGETC for CSU) is a general education program that allows California Community College students to fulfill lower-division GE requirements for the CSU. Students completing an Associate Degree or an Associate Degree for Transfer may choose this GE pattern.

Students must complete a minimum of 37 units from 6 different areas. Students retain catalog rights to the general education curriculum listed in the College Catalog when their continuous enrollment begins. If a break in attendance occurs, completed requirements will be honored. Please note that courses on this list can change, and for a course to fulfill a requirement it must be listed in the catalog at the time it was taken by the student.

***Courses marked with this symbol, if taken prior to this catalog year, may not count toward the general education requirement. Please consult with a counselor for applicability.*

FULL CERTIFICATION (completion of all areas), PARTIAL CERTIFICATION, and CSU GE-B FOR STEM CERTIFICATION (for BIO AS-T only) are available. Students must request a certification to be sent to the transfer institution. Requests are made at parchment.com/u/registration/33323/institution.

Completion of this pattern also satisfies requirements for the Transfer Studies: IGETC for CSU Certificate of Achievement. Students must apply for graduation for the certificate to be awarded and indicated on their transcript.

IGETC for CSU

All courses are three (3) units unless otherwise noted and must be completed with a C (or P) or better.

Area 1 - English Communication: 3 courses | 9 units

Complete one course from each group. **also fulfills some CSU's 2nd composition graduation requirement.*

1A: Composition

- ENG 001A - English Composition
- ENG 001AX - English Composition with Additional Support (5)

1B: Critical Thinking

- ENG 001B - English Composition and Literature*
- ENG 001C - Clear Thinking in Writing*
- PHI 003 - Introduction to Problems in Ethics*

1C. Oral Communication

- COM 001 or 001H - Introduction to Public Speaking
- COM 010 - Persuasive Speaking
- COM 015 - Fundamentals of Human Communication in Professional and Career Contexts
- COM 020 or COM 020H - Argumentation, Advocacy and Debate

Area 2 - Mathematical Concepts and Quantitative Reasoning: 1 course | 3 units

- MAT 000G - Math for Liberal Arts Students (4)
- MAT 001 - College Algebra (4)
- MAT 001X - College Algebra with Additional Support (6)
- MAT 002 - Pre-Calculus and Trigonometry (6)
- MAT 003A or 003AH - Analytic Geometry and Calculus I (5)
- MAT 003B - Analytic Geometry and Calculus II (5)
- MAT 004A - Multivariable Calculus (5)
- MAT 004B - Differential Equations (4)
- MAT 004C - Linear Algebra (4)
- MAT 010 or 010H - Elementary Statistics (4)
- MAT 010X - Elementary Statistics with Additional Support (6)
- MAT 012 - Calculus for Business (4)
- MAT 019 - Discrete Mathematics (4)
- SOC 016 - Introduction to Statistics Social and Behavioral Sciences

Area 3 - Arts and Humanities: 3 courses | 9 units

Complete 3 courses total, including one course from each area. (*Biology AS-T majors can defer the third course until after transfer.*)

3A. Arts

- ART 001A - Survey of Western Art I
- ART 001B - Survey of Western Art II
- ART 001D - Survey of Modern Art
- ART 004 - Art Appreciation
- ART 007 - Survey of Asian Art
- ART 011 - The History of Modern Design
- GDS 011 - History of Modern Design
- GDS 012 - History of Photography
- GDS 015 - Photo-media and Social Change
- KIN 080 - Dance Appreciation
- MUS 005 - Fundamentals of Music Theory
- MUS 009 - Jazz Music History
- MUS 010 - Music Appreciation
- MUS 016 - Survey of Rock and Popular Music
- MUS 017 - Music of the World

3B. Humanities

- ARB 002 - Second Semester Arabic (5)
- CHI 002 - Second Semester Chinese (5)
- COM 012 - Intercultural Communication
- ENG 005A - English Literature through 18th Century
- ENG 005A - English Literature through 18th Century
- ENG 005B - English Literature from 19th Century to Present
- ENG 006B - World Literature
- ENG 007A - American Literature to 1865
- ENG 007B - American Literature 1865 to Present
- ENG 012 - African American Literature
- ENG 013 - Latina/o Literature
- ENG 015 - Introduction to Film Analysis
- ENG 043 - Classical Mythology
- ENG 048 - Introduction to Shakespeare
- ETH 013 - Latina/o Literature
- HIS 004A or 004AH - History of Western Civilization**
- HIS 004B or 004BH - History of Western Civilization**
- HIS 015 or 015H - World History to 1500
- HIS 016 or 016H - World History since 1500**
- HIS 017A or 017AH - History of the United States to 1877**
- HIS 017B or 017BH - History of the United States since 1877**
- HIS 033 or 033H - Women's Issues Past and Present**
- HUM 001A - Human Values in and from the Arts
- HUM 001B - Human Values in and from the Arts
- HUM 007 - International Films
- HUM 015 - Introduction to Film Analysis
- HUM 016A - Hispanic Roots and Culture
- HUM 018 or 018H - African American Culture and Humanities**
- HUM 020 - Asian Roots and Culture
- HUM 022 - Introduction to Islam
- HUM 024 - The Asian American Experience
- JPN 002 - Second Semester Japanese (5)
- LIN 001 - Introduction to Language and Linguistics
- PHI 001 - Introduction to Philosophy
- PHI 005 - Introduction to Social and Political Philosophy
- POL 007 - International Films
- SPA 002 - Second Semester Spanish (5)
- SPA 003 - Third Semester Spanish (5)
- SPA 004 - Fourth Semester Spanish (5)
- VIE 002 - Second Semester Vietnamese (5)
- VIE 049A - Vietnamese for the Vietnamese-Speaking
- VIE 049B - Vietnamese Language & Culture for Fluent Speakers

Area 4 - Social and Behavioral Sciences: 2 courses | 6 units

Complete two courses from two different disciplines. (*Biology AS-T majors can defer 1 course until after transfer.*)

- ANT 002 - Introduction to Archaeology
- ANT 003 - Cultural Anthropology
- ANT 055 - Magic, Witchcraft, & Religion
- CHD 001 - Child Growth & Development
- COM 014 - Teamwork and Leadership in Small Groups
- ECN 001A - Principles of Macroeconomics
- ECN 001B - Principles of Microeconomics
- ECN 006 - The Global Economy
- ETH 044 or 044H - African American History
- HIS 004A or 004AH - History of Western Civilization**
- HIS 004B or 004BH - History of Western Civilization**
- HIS 015 or 015H - World History to 1500
- HIS 016 or 016H - World History since 1500**
- HIS 017A or 017AH - United States History to 1877**
- HIS 017B or 017BH - United States History since 1877**
- HIS 020 - History and Geography of California
- HIS 031 - History of East Asia
- HIS 033 or 033H - Women's Issues Past and Present**
- HIS 044 or 044H - African American History
- HUM 016A - Hispanic Roots and Culture
- HUM 018 or 018H - African American Culture and Humanities**
- HUM 024 - The Asian American Experience
- KIN 081 - Sports in Society
- PHI 005 - Introduction to Social and Political Philosophy
- POL 001 or 001H - American Government
- POL 002 - Comparative Government
- POL 004 - International Relations
- POL 006 - Politics of Race, Class and Gender
- POL 020 - Controversial Legal Issues
- PSY 001 or 001H - General Psychology
- PSY 007 - Biological Psychology
- PSY 010 - Social Psychology
- PSY 012 - Human Growth and Development
- PSY 015 or 015H - Introduction to Research Methods
- PSY 025 - Introduction to Abnormal Psychology
- PSY 045 - Human Sexuality
- SJS 001 - Social Justice
- SJS 002 - Introduction to Gender Studies
- SJS 003 - Introduction to LGBTQ Studies
- SOC 001 or 001H - Introduction to Sociology
- SOC 002 or 002H - Social Problems
- SOC 021 - Introduction to Race and Ethnicity
- SOC 040 - Marriage and Family
- SOC 045 - Human Sexuality
- SOC 047 - Sociology of Criminology
- SOC 050 - Introduction to Criminal Justice
- SOC 060 - Community and the Justice System**

Area 5 - Physical and Biological Sciences: 2 courses | 7 units

Complete one course from each area.

5A. Physical Sciences

- AST 001 - Astronomy
- AST 003 or 003H - Astronomy with Lab (4)
- AST 004 - Astrobiology – Life in the Universe
- CHM 001A or 001AH - General Chemistry I (5)
- CHM 001B or 001BH - General Chemistry II (5)
- CHM 002 - Introductory Chemistry
- CHM 002L - Introduction to Chemistry Lab (1)
- CHM 012A or 012AH - Organic Chemistry I (5)
- CHM 012B or 012BH - Organic Chemistry II (5)
- CHM 030A - Fundamentals of Chemistry (4)
- CHM 060 - Survey of General, Organic and Biological Chemistry (4)
- GEO 001 - Introduction to Physical Geography
- GEO 001L - Introduction to Physical Geography Lab (1)
- PHY 002A - General Physics – Mechanics & Thermodynamics (5)
- PHY 002B - General Physics – Electricity, Magnetism & Optics (5)
- PHY 004A - Engineering Physics - Mechanics (5)
- PHY 004B - Engineering Physics - Electricity & Magnetism (5)
- PHY 004C - Engineering Physics - Light & Heat (5)
- PHY 004D - Engineering Physics - Atomic (2)
- PHY 010 - Introduction to Physics (4)

5B. Biological Sciences

- ANT 001 - Biological Anthropology
- ANT 001L - Biological Anthropology Laboratory (1)
- BIO 001A or 001AH - General Biology: Cells (5)
- BIO 001B or 001BH - General Biology: Organisms (5)
- BIO 004 - Microbiology (5)
- BIO 010 - Introduction to Biology
- BIO 010L - Introduction to Biology Lab (1)
- BIO 011 - Human Biology (4)
- BIO 012 or 012H - Emerging Infectious Disease
- BIO 014 or 014H - Introductory Neuroscience
- BIO 016 - Marine Biology (4)
- BIO 017 or 017H - Genetics and Society
- BIO 018 or 018H - The Biology of Cancer
- BIO 019 - Oceans: Life in the Sea
- BIO 025 or 025H - Environmental Biology
- BIO 030 - Tropical Ecology
- BIO 030L - Tropical Ecology Field Studies (1)
- BIO 032 - California Plants and Animal (4)
- BIO 047 - Human Anatomy (5)
- BIO 048 or 048H - Human Physiology (5)

5C. Laboratory Requirement

One course from 5A or 5B must contain a laboratory component. Lab courses are underlined.

Area 6 – N/A, only required for IGETC for UC

Area 7 – Ethnic Studies: 1 course | 3 units

- ENG 013 - Latina/o Literature
- ETH 013 - Latina/o Literature
- ETH 044 or 044H - African American History
- HIS 044 or 044H - African American History

While not required as part of the IGETC for CSU, students are advised of the CSU Graduation Requirement - U.S. History, Constitution and American Ideals (2 courses)

- US History and Constitution Requirement: Take one of the following - HIS 017A, 017AH, HIS 017B, 017BH, HIS 044, 044H, ETH 044, 044H.
- American Ideals Requirement: take POL - 001 or 001H.

Intersegmental General Education Transfer Curriculum for UC (IGETC for UC)

IGETC for UC

The Intersegmental General Education Transfer Curriculum for UC (IGETC for UC) is a general education program that allows California Community College students to fulfill lower-division GE requirements for the UC. Students completing an Associate Degree or an Associate Degree for Transfer may choose this GE pattern.

Students must complete a minimum of 37 units from 7 different areas. Students retain catalog rights to the general education curriculum listed in the College Catalog when their continuous enrollment begins. If a break in attendance occurs, completed requirements will be honored. Please note that courses on this list can change, and for a course to fulfill a requirement it must be listed in the catalog at the time it was taken by the student.

*** Courses marked with this symbol, if taken prior to this catalog year, may not count toward the general education requirement. Please consult with a counselor for applicability.*

FULL CERTIFICATION (completion of all areas), PARTIAL CERTIFICATION, and CSU GE-B FOR STEM CERTIFICATION (for BIO AS-T only) are available. Students must request a certification to be sent to the transfer institution. Requests are made at www.parchment.com/u/registration/33323/institution. Completion of this pattern also satisfies requirements for the Transfer Studies: IGETC for UC Certificate of Achievement. Students must apply for graduation for the certificate to be awarded and indicated on their transcript.

IGETC for UC

All courses are three (3) units unless otherwise noted and must be completed with a C (or P) or better. *** UC limits transfer credit available for some courses. Consult a counselor or www.assist.org for information on unit limitations for indicated courses.*

Area 1 - English Communication: 3 courses | 9 units

Complete one course from each group.

1A: English Composition

- ENG 001A - English Composition
- ENG 001AX - English Composition with Additional Support (5)#

1C: N/A, only required for IGETC for CSU

1B: Critical Thinking

- ENG 001B - English Composition and Literature
- ENG 001C - Clear Thinking in Writing
- PHI 003 - Introduction to Problems in Ethics

Area 2 - Mathematical Concepts and Quantitative Reasoning: 1 course | 3 units

- MAT 000G - Math for Liberal Arts Students (4)
- MAT 001 - College Algebra (4)#
- MAT 001X - College Algebra with Additional Support (6)#
- MAT 002 - Pre-Calculus and Trigonometry (6)#
- MAT 003A or 003AH - Analytic Geometry and Calculus I (5)#
- MAT 003B - Analytic Geometry and Calculus II (5)#
- MAT 004A - Multivariable Calculus (5)#
- MAT 004B - Differential Equations (4)
- MAT 004C - Linear Algebra (4)
- MAT 010 or 010H - Elementary Statistics (4)#
- MAT 010X - Elementary Statistics with Additional Support (6)#
- MAT 012 - Calculus for Business (4)#
- MAT 019 - Discrete Mathematics (4)
- SOC 016 - Introduction to Statistics Social and Behavioral Sciences

Area 3 - Arts and Humanities: 3 courses | 9 units

Complete 3 courses total, including one course from each area. (*Biology AS-T majors can defer the third course until after transfer.*)

3A. Arts

- ART 001A - Survey of Western Art I
- ART 001B - Survey of Western Art II
- ART 001D - Survey of Modern Art
- ART 004 - Art Appreciation
- ART 007 - Survey of Asian Art
- ART 011 - The History of Modern Design
- GDS 011 - History of Modern Design
- GDS 012 - History of Photography
- GDS 015 - Photo-Media and Social Change
- KIN 080 - Dance Appreciation
- MUS 005 - Fundamentals of Music Theory
- MUS 009 - Jazz Music History
- MUS 010 - Music Appreciation
- MUS 016 - Survey of Rock and Popular Music
- MUS 017 - Music of the World
- ENG 048 - Introduction to Shakespeare
- ETH 013 - Latina/o Literature
- HIS 004A or 004AH - History of Western Civilization**
- HIS 004B or 004BH - History of Western Civilization**
- HIS 015 or 015H - World History to 1500
- HIS 016 or 016H - World History since 1500**
- HIS 017A or 017AH - History of the United States to 1877**
- HIS 017B or 017BH - History of the United States since 1877**
- HIS 033 or 033H - Women's Issues Past and Present**
- HUM 001A - Human Values in and from the Arts
- HUM 001B - Human Values in and from the Arts
- HUM 007 - International Films
- HUM 015 - Introduction to Film Analysis
- HUM 016A - Hispanic Roots and Culture
- HUM 018 or 018H - African American Culture and Humanities**
- HUM 020 - Asian Roots and Culture
- HUM 022 - Introduction to Islam
- HUM 024 - The Asian American Experience
- JPN 002 - Second Semester Japanese (5)
- LIN 001 - Introduction to Language and Linguistics
- PHI 001 - Introduction to Philosophy
- PHI 005 - Introduction to Social and Political Philosophy
- POL 007 - International Films
- SPA 002 - Second Semester Spanish (5)
- SPA 003 - Third Semester Spanish (5)
- SPA 004 - Fourth Semester Spanish (5)
- VIE 002 - Second Semester Vietnamese (5)
- VIE 049A - Vietnamese for the Vietnamese-Speaking
- VIE 049B - Vietnamese Language & Culture for Fluent Speakers

3B. Humanities

- ARB 002 - Second Semester Arabic (5)
- CHI 002 - Second Semester Chinese (5)
- COM 012 - Intercultural Communication
- ENG 005A - English Literature through 18th Century
- ENG 005B - English Literature from 19th Century to Present
- ENG 006B - World Literature
- ENG 007A - American Literature to 1865
- ENG 007B - American Literature 1865 to Present
- ENG 012 - African American Literature
- ENG 013 - Latina/o Literature
- ENG 015 - Introduction to Film Analysis
- ENG 043 - Classical Mythology

Area 4 - Social and Behavioral Sciences: 2 courses | 6 units

Complete two courses from two different disciplines. (*Biology AS-T majors can defer 1 course until after transfer.*)

- ANT 002 - Introduction to Archaeology
- ANT 003 - Cultural Anthropology
- ANT 055 - Magic, Witchcraft, & Religion
- CHD 001 - Child Growth & Development
- COM 014 - Teamwork and Leadership in Small Groups
- ECN 001A - Principles of Macroeconomics
- ECN 001B - Principles of Microeconomics
- ECN 006 - The Global Economy
- ETH 044 or 044H - African American History
- HIS 004A or 004AH - History of Western Civilization**
- HIS 004B or 004BH - History of Western Civilization**
- HIS 015 or 015H - World History to 1500
- HIS 016 or 016H - World History since 1500**
- HIS 017A or 017AH - United States History to 1877**
- HIS 017B or 017BH - United States History since 1877**
- HIS 020 - History and Geography of California
- HIS 031 - History of East Asia
- HIS 033 or 033H - Women's Issues Past and Present**
- HIS 044 or 044H - African American History
- HUM 016A - Hispanic Roots and Culture
- HUM 018 or 018H - African American Culture and Humanities**
- HUM 024 - The Asian American Experience
- KIN 081 - Sports in Society
- PHI 005 - Introduction to Social and Political Philosophy
- POL 001 or 001H - American Government
- POL 002 - Comparative Government
- POL 004 - International Relations
- POL 006 - Politics of Race, Class and Gender
- POL 020 - Controversial Legal Issues
- PSY 001 or 001H - General Psychology
- PSY 007 - Biological Psychology
- PSY 010 - Social Psychology
- PSY 012 - Human Growth and Development
- PYS 015 or 015H - Introduction to Research Methods
- PSY 025 - Introduction to Abnormal Psychology
- PSY 045 - Human Sexuality
- SJS 001 - Social Justice
- SJS 002 - Introduction to Gender Studies
- SJS 003 - Introduction to LGBTQ Studies
- SOC 001 or 001H - Introduction to Sociology
- SOC 002 or 002H - Social Problems
- SOC 021 - Introduction to Race and Ethnicity
- SOC 040 - Marriage and Family
- SOC 045 - Human Sexuality
- SOC 047 - Sociology of Criminology
- SOC 050 - Introduction to Criminal Justice
- SOC 060 - Community and the Justice System**

Area 5 - Physical and Biological Sciences: 2 courses | 7 units

Complete one course from each area.

5A. Physical Sciences

- AST 001 - Astronomy
- AST 003 or 003H - Astronomy with Lab (4)
- AST 004 - Astrobiology – Life in the Universe
- CHM 001A or 001AH - General Chemistry I (5)
- CHM 001B or 001BH - General Chemistry II (5)
- CHM 002 - Introductory Chemistry
- CHM 002L - Introduction to Chemistry Lab (1)
- CHM 012A or 012AH - Organic Chemistry I (5)
- CHM 012B or 012BH - Organic Chemistry II (5)
- CHM 030A - Fundamentals of Chemistry (4)
- CHM 060 - Survey of General, Organic and Biological Chemistry (4)
- GEO 001 - Introduction to Physical Geography
- GEO 001L - Introduction to Physical Geography Lab (1)
- PHY 002A - General Physics – Mechanics & Thermodynamics (5)
- PHY 002B - General Physics – Electricity, Magnetism & Optics (5)
- PHY 004A - Engineering Physics - Mechanics (5)
- PHY 004B - Engineering Physics - Electricity & Magnetism (5)
- PHY 004C - Engineering Physics - Light & Heat (5)
- PHY 004D - Engineering Physics - Atomic (2)
- PHY 010 - Introduction to Physics (4)

5B. Biological Sciences

- ANT 001 - Biological Anthropology
- ANT 001L - Biological Anthropology Laboratory (1)
- BIO 001A or 001AH - General Biology: Cells (5)
- BIO 001B or 001BH - General Biology: Organisms (5)
- BIO 004 - Microbiology (5)
- BIO 010 - Introduction to Biology
- BIO 010L - Introduction to Biology Lab (1)
- BIO 011 - Human Biology (4)
- BIO 012 or 012H - Emerging Infectious Disease
- BIO 014 or 014H - Introductory Neuroscience
- BIO 016 - Marine Biology (4)
- BIO 017 or 017H - Genetics and Society
- BIO 018 or 018H - The Biology of Cancer
- BIO 019 - Oceans: Life in the Sea
- BIO 025 or 025H - Environmental Biology
- BIO 030 - Tropical Ecology
- BIO 030L - Tropical Ecology Field Studies (1)
- BIO 032 - California Plants and Animal (4)
- BIO 047 - Human Anatomy (5)
- BIO 048 or 048H - Human Physiology (5)

5C. Laboratory Requirement

One course from 5A or 5B must contain a laboratory component. Lab courses are underlined.

Area 6 – Language Other than English: 0-5 units

(Biology AS-T majors can defer until after transfer.)

Students must demonstrate proficiency in a language other than English equivalent to two years of high school study in the same language with a "C" or better OR completion of one of the following:

1. ARB 001, CHI 001, JPN 001, SPA 001, VIE 001, or other first level language course or higher.
2. A score of 3 or higher on a Foreign Language AP Exam or 5 or higher on the IB HL Exam.
3. Satisfactory score on the SAT II: Subject test in languages other than English.
4. Satisfactory completion of two years of formal schooling at the sixth-grade level or higher in an institution where the language of instruction is NOT English.
5. Verified competency by a CCC, CSU or UC faculty member. [IGETC LOTE Certification](#) form required.

Area 7 – Ethnic Studies: 1 course | 3 units

- ENG 013 - Latina/o Literature
- ETH 013 - Latina/o Literature
- ETH 044 or 044H - African American History
- HIS 044 or 044H - African American History

Academic Programs Chart

Discover degree and certificate programs to prepare for the workforce or transfer to a four-year university. Our counselors can help you choose the right path for your goals.

BUSINESS, EDUCATION & SERVICE INDUSTRIES

Accounting

Accounting	AS	CA
CPA Exam Prep 1: Auditing & Attestation		CA
CPA Exam Prep 2: Business Environment & Concepts		CA
CPA Exam Prep 3: Financial Accounting & Reporting		CA
CPA Exam Prep 4: Regulation		CA

Business

Business	AS	
Business Administration 2.0	AS-T	
Business Computing		CA
Entrepreneurship & Small Business Management and Leadership		CA
Project Coordinator		CA
Project Management		CA

Computer Applications

Administrative Specialist	AS	CA
Beginning Computer Skills		CC
Business Information Professional		CA

Child Development

Associate Teacher		CA
Early Intervention Assistant		CA
Early Childhood Education	AS-T, AS	
Master Teacher		CA

Hospitality Management

Baking and Pastry	AS	CA
Culinary Arts	AS	CA
Food Service and Restaurant Management		CA
Fundamental Food Service Skills		CA
Hospitality Management	AS	

CREATIVE ARTS & COMMUNICATION

Art

Art		AA
Art History		AA-T
Creative Arts		AA
Studio Arts		AA-T
Three-Dimensional Arts		CA

Communication Studies

Communication Studies 2.0		AA-T
Communication Studies		CA

English

English		AA-T
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Graphic Design & Multimedia

Advanced Virtual Production		CA
Computer Graphics		CC
Digital Illustration		CA
Digital Media Marketing		CA
Graphic Design	AS	CA
User Experience & Interface Design		CA
Video and Motion Graphics		CC
Virtual Production Fundamentals		CA
Web Design		CA
Web Development		CA

Music

Digital Music		CA
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PEOPLE, CULTURE AND SOCIETY

Administration of Justice

Administration of Justice		AS-T
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Anthropology

Anthropology		AA-T
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Economics

Economics		AA-T
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English as a Second Language

Low Beginning ESL		CC
Beginning ESL		CC
High Beginning ESL		CC
Low Intermediate ESL		CC
Intermediate ESL		CC
High Intermediate ESL		CC
Advanced ESL		CC
ESL Grammar and Editing		CC
English as a Second Language		CP
Preparation for Academic Success in ESL		CC
ESL for Child Care		CC
ESL for Child Development		CP, CC
ESL for Careers in Food Service		CC

History

History		AA-T
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Political Science

Political Science		AA-T
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Psychology

Behavioral Health Worker		CA
Foundations of Behavior Health Work		CC
Psychology		AA-T

Sociology

Sociology		AA-T
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Social Justice Studies

Social Justice Studies	AA-T
Social Justice Studies, African American Studies	AA-T

Spanish

Spanish	AA-T
Spanish	CA

PUBLIC SAFETY, HEALTH & WELLNESS

Community Health Worker

Community Health Worker	CC
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Fire Protection Technology

Fire Fighter/EMT Academy	CA
Fire Prevention Internship	CA
Fire Technology	AS

Kinesiology

Fitness and Health	CA
Kinesiology	AA-T

Nursing

Nursing (LVN to RN)*	AS
Vocational Nursing*	AS CA
Nursing Assistant*	CP

Pharmacy Technician

Pharmacy Technician	CC
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SCIENCE, TECHNOLOGY, ENGINEERING, & MATH

Biology

Biology	AS-T
Biological Science	AS
Human Biology	AS

Computer Information Systems & Technology

Artificial Intelligence	CA
Computer Information Systems	AS CA
Cisco CCNA Cybersecurity and Cloud Computing	CA
Computer Network Technology	AS
Data Analyst Associate	CA
IT Helpdesk Technician	CA

Engineering

Engineering	AS CA
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Mathematics

Mathematics	AS, AS-T
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Mechatronic Technology

Mechatronic Technology	AS CA
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Nutritional Science

Nutrition and Dietetics	AS-T
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Physics

Physics	AS-T
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Public Health Science

Public Health Science	AS-T
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WORKFORCE INNOVATION

VTA Apprenticeship

Public Transit: Coach Operator*	CA
Public Transit: Leadership*	CA
Public Transit: Light Rail Operator*	CA
Public Transit: Overhead Line Worker*	CA
Public Transit: Service Mechanic*	CA
Public Transit: Track Worker*	CA

GENERAL STUDIES PROGRAMS

General & Transfer Studies

Liberal Arts: Arts & Humanities	AA
Liberal Arts: Communication in English & Critical Thinking	AA
Liberal Arts: Natural Science & Mathematics	AA
Liberal Arts: Social & Behavioral Science	AA
Transfer Studies: CSU GE Breadth	CA
Transfer Studies: IGETC for CSU	CA
Transfer Studies: IGETC for UC	CA
Tutoring Skills	CC

CHART LEGEND

Degrees:

AA-T: Associate of Art Degree for Transfer
AS-T: Associate of Science Degree for Transfer
AA: Associate of Art Degree
AS: Associate of Science Degree

Certificates:

CA: Certificate of Achievement
CP: Certificate of Proficiency
Department awarded, not on transcript
CC: Noncredit Certificate of Completion or
Noncredit Certificate of Competency

*These programs have special admission requirements. Please consult the College Catalog or our website for more information.

Fully-Online Programs

While many courses are available online, only five programs at Mission College are guaranteed to be completed fully online:

- Accounting: Certificate of Achievement
- Business: Associate in Science Degree
- Administrative Specialist: Certificate of Achievement
- Communication Studies: Certificate of Achievement
- User Experience and Interface Design: Certificate of Achievement

Program Learning Outcomes

Each program's learning outcomes are detailed on the corresponding program page in the catalog.

Academic Programs and Courses

General and Transfer Studies

Counseling & Learning Services
Dean: Richard Alfaro
Student Engagement Center (SEC),
Room 122A
(409) 855-5145

Administrative Specialist: My Loi
Student Engagement Center (SEC),
Room 122
(408) 855-5196



GENERAL STUDIES

Mission College offers general studies degree options in four general academic areas. Students who have not yet chosen a more specific program of study may find these general studies programs a good choice. Students who plan to transfer to an institution whose requirements do not align well with one of Mission College's more specific degrees may find the flexibility of one of these general studies degrees to be to their benefit. Many students earn one or more of these general studies degrees along with a more specific program degree.

Liberal Arts, Arts and Humanities: Associate in Arts Degree

The Associate in Arts in Liberal Arts with an emphasis in Arts and Humanities provides students the opportunity to study cultural, literary, humanistic activities and 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 incorporate these concepts when constructing value judgments.

Career/Transfer Opportunities: The program is intended for students who are considering transfer, but have not decided on a major; students who are required to complete a degree for job promotion; or students who may wish to further their education and are considering a major that is interdisciplinary in focus.

To earn this degree students must meet the following:

- Completion of 60 semester units.
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18 Credits

Core Requirements (Total 18 credits)

Complete all of the following

- Select a minimum of 18 credits from CSU GE-B Area C.
• Include courses from at least two different disciplines.

Program Outcomes

- Identify artwork from various periods and styles, and recognize the way art can affect or reflect cultural, political and humanistic issues.
- Describe western and/or non-western works of philosophical, historical, literary, aesthetic and their cultural importance

Liberal Arts, Communication in the English Language and Critical Thinking: Associate in Arts Degree

The Associate in Arts in Liberal Arts with an emphasis in Communication in the English Language and Critical Thinking provides students the opportunity to develop knowledge and understanding of the form, content, context, and effectiveness of communication. Students will develop proficiency in oral and written communication in English, examining communication from the rhetorical perspective and practicing reasoning and advocacy, organization, and accuracy. Critical thinking skills and self-understanding through these courses provide a framework for lifelong learning in written and oral communication and offers students a breadth of knowledge that could be focused into single discipline degrees as well as applied to an interdisciplinary degree.

Career/Transfer Opportunities: The program is intended for students who are considering transfer but have not decided on a major; students who are required to complete a degree for job promotion; or students

who may wish to further their education and are considering a major that is interdisciplinary in focus.

To earn this degree students must meet the following:

- Completion of 60 semester unit.
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 18 credits)

Complete all of the following

Select a minimum of 18 credits from the approved CSU GE-B Area A Include courses from at least two different disciplines.

Program Outcomes

- Analyze written and oral information effectively.
- Identify and use language as a tool for logical thought, clear and precise expression, and critical evaluation of communication.

Liberal Arts, Natural Science and Mathematics: Associate in Arts Degree

The Associate in Arts in Liberal Arts with an emphasis in Science and Math provides students an opportunity to develop knowledge of scientific theories, concepts and data about both living and non-living systems. The courses in this area also emphasize the natural sciences which examine the physical universe, its life forms and its natural phenomena. In addition, these courses emphasize experimental methodology, testing hypotheses, and the power of systematic questioning. Courses in math emphasize the development of mathematical and quantitative reasoning skills beyond the level of elementary algebra.

Career/Transfer Opportunities: The program is intended for students who are considering transfer, but have not decided on a major; students who are required to complete a degree for job promotion; or students who may wish to further their education and are considering a major that is interdisciplinary in focus.

To earn this degree students must meet the following:

- Completion of 60 semester unit
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 18 credits)

Complete all of the following

Select a minimum of 18 credits from CSU GE-B Area C.
Include courses from at least two different disciplines.

Program Outcomes

- Demonstrate an ability to think logically and critically in solving problems.
- Demonstrate an understanding of experimental methodology, testing of hypothesis, the power of systematic questioning, and influence of the scientific method in society.

Liberal Arts, Social and Behavioral Sciences: Associate in Arts Degree

The Associate in Arts in Liberal Arts with an emphasis in Social and Behavioral Sciences provides students an opportunity to develop a broad perspective on concepts, theories and methodologies of the disciplines typically found in the variety of disciplines that comprise the study in the social and behavioral sciences. Students study about themselves and others as a member of a larger society in order to gain a basic knowledge of the cultural and social organizations in which they exist as well as the behavioral and social organizations of other human societies.

Career/Transfer Opportunities: The program is intended for students who are considering transfer, but have not decided on a major; students who are required to complete a degree for job promotion; or students who may wish to further their education and are considering a major that is interdisciplinary in focus.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 18 credits)

Complete all of the following

Select a minimum of 18 credits from CSU GE-B Area D.
Include courses from at least two different disciplines.

Program Outcomes

- Evaluate human behavior in relation to human, social, political, and economic institutions.
- Evaluate and critique past, present, and future issues from a historical, cultural, psychological, and social perspective.

TRANSFER STUDIES

Mission College offers transfer studies certificates in three general education options. Students may earn these certificates with or without completing a degree. The certificate demonstrates completion of all lower-division general education requirements for the CSU or UC system.

Transfer Studies, CSU GE-Breadth: Certificate of Achievement

The Certificate of Achievement in Transfer Studies - CSU GE-B is designed to provide students the knowledge, skills, experiences, and perspectives that will enable them to expand their capacities to take part in a wide range of human interests and activities; to confront personal, cultural, moral, and social problems that are an inevitable part of human life; and to cultivate both the requisite skills and enthusiasm for lifelong learning. These courses offer the opportunity for students to develop knowledge of, or skills related to, quantitative reasoning, information literacy, intellectual inquiry, global awareness and understanding, human diversity, civic engagement, communication competence, ethical decision-making, environmental systems, technology, lifelong learning and self-development, and physical and emotional health throughout a lifetime. The variety of different subjects provide a well-rounded or "liberal" education and develop the knowledge, skills, and attitudes that together help create an educated person.

Career/Transfer Opportunities: This certificate is designed for students who intend to complete university general education requirements prior to transfer to a California State University (CSU) campus. Completion of the California State University General Education - Breadth (CSU GE-B) will permit a student to transfer from a California Community College to a CSU campus generally without the need, after transfer, to take additional lower-division, general education courses to satisfy campus general education requirements.

Program Requirements

Complete the following number of credits: 40

Area A: English Language Communication and Critical Thinking (9 credits)

Complete the following number of credits: 9

- Complete 1 course from Area A1 (3)
- Complete 1 course from Area A2 (3 - 5)
- Complete 1 course from Area A3 (3)

Area B: Scientific Inquiry and Quantitative Reasoning (Total 10 credits)

Complete the following number of credits: 10

- Complete 1 course from Area B1 (3-5)
- Complete 1 course from Area B2 (3-5)
- Meet the Area B3 Lab Requirement with your Area B1 or B2 course
- Complete 1 course from Area B4 (3)

Area C: Arts and Humanities (Total 9 credits)

Complete the following number of credits: 9

- Complete 1 course from Area C1 (3)
- Complete 1 course from Area C2 (3)
- Complete 1 additional course from either Area C1 or C2. (3)

Area D: Social Science (Total 6 credits)

Complete the following number of credits: 6

- Complete 2 courses from Area D (6)

Area E: Lifelong Learning and Self-Development (Total 3 credits)

Complete the following number of credits: (3)

- Complete a total of 3 credits from Area E

Area F: Ethnic Studies (Total 3 credits)

Complete the following number of credits: (3)

Complete 1 course from Area F

Program Outcomes

- Students will engage in meaningful verbal and nonverbal expression through written, oral, signed, and/or artistic communication of ideas and concepts.
- Students will apply principles of scientific and critical inquiry, including quantitative and qualitative techniques, to the analysis of relevant questions, problems, or issues.
- Students will analyze the interconnectivity between social, political, economic, and ecological systems to effectively live and work in diverse communities.
- Students will apply techniques for physical and mental development that include the application of ethical principles to personal, academic, and professional matters.

The Intersegmental General Education Transfer Curriculum for CSU (IGETC for CSU) is a general education program which allows California Community College students to fulfill lower-division general education (GE) requirements for the CSU system without the need, after transfer, to take additional lower-division GE requirements.

Students must complete a minimum of 34 units from 6 different areas. Students retain catalog rights to the general education curriculum as listed in the College Catalog at the time the course was completed. Courses fulfilling each area may change, but so long as a course is approved for a general education area at the time it is completed, the course will fulfill the requirement.

Full Certification (completion of all areas), Partial Certification (completion of all but 2 courses), and IGETC CSU for STEM Certification (for BIO AS-T only) are available. Students must submit the form found at www.parchment.com/u/registration/33323/institution to have certification noted on their transcript. Completion of the IGETC for CSU pattern also satisfies requirements for Certificate of Achievement in Transfer Studies - IGETC CSU. Students must apply for this certificate via the application for graduation process to have the certificate awarded and noted on their transcript.

Transfer Studies, IGETC for CSU: Certificate of Achievement

The Certificate of Achievement in Transfer Studies - IGETC for CSU is designed to provide students the knowledge, skills, experiences, and perspectives that will enable them to expand their capacities to take part in a wide range of human interests and activities; to confront personal, cultural, moral, and social problems that are an inevitable part of human life; and to cultivate both the requisite skills and enthusiasm for lifelong learning. These courses offer the opportunity for students to develop knowledge of, or skills related to, quantitative reasoning, information literacy, intellectual inquiry, global awareness and understanding, human diversity, civic engagement, communication competence, ethical decision-making, environmental systems, technology, lifelong learning and self-development, and physical and emotional health throughout a lifetime. The variety of different subjects provide a well-rounded or "liberal" education and develop the knowledge, skills, and attitudes that together help create an educated person.

Career/Transfer Opportunities: This certificate is designed for those who intend to complete university general education requirements prior to transfer to a California State University (CSU) or University of California (UC) campus. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from a California Community College to a CSU or UC campus without the need, after transfer, to take additional lower-division, general education requirements.

Program Requirements

Complete the following number of credits: 37

Area 1: English Communication (Total 9 credits)

Complete the following number of credits: 9

- Complete 1 course from Area 1A (3-5)
- Complete 1 course from Area 1B (3)
- Complete 1 course from Area 1C (3)

Area 2: Mathematical Concepts and Quantitative Reasoning: (Total 3 credits)

Complete the following number of credits: (3)

Complete 1 course from Area 2 3 - 6

Area 3: Arts and Humanities (Total 9 credits)

Complete the following number of credits: 9

- Complete 1 course from Area 3A (3)
- Complete 1 course from Area 3B (3-5)
- Complete 1 additional course from either Area 3A or 3B (3-5)

Area 4: Social and Behavioral Sciences (Total 6 credits)

Complete the following number of credits: 6

Complete 1 courses from Area 4 6 - 7

Complete 1 additional course from Area 4 in a different discipline than the first course 0

Area 5: Physical and Biological Sciences (Total 7 credits)

Complete the following number of credits: 7

Complete 1 course from Area 5A (3-5)

Complete 1 course from Area 5B (3-5)

Meet the Area 5C Lab Requirement with your Area 5A or 5B course 0

Area 7: Ethnic Studies (Total 3 credits)

Complete the following number of credits: (3)

Complete 1 course from Area 7 (3)

Program Outcomes

- Students will engage in meaningful verbal and non-verbal expression through written, oral, signed, and/or artistic communication of ideas and concepts.
- Students will apply principles of scientific and critical inquiry, including quantitative and qualitative techniques, to the analysis of relevant questions, problems, or issues.
- Students will 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 will critically analyze and solve problems using the appropriate use of logic, mathematics, multi-disciplinary, and cultural considerations where applicable.

The Intersegmental General Education Transfer Curriculum for UC (IGETC for UC) is a general education program which allows California Community College students to fulfill lower-division general education (GE) requirements for the UC system without the need, after transfer, to take additional lower-division GE requirements.

Students must complete a minimum of 34 units from 7 different areas. Students retain catalog rights to the general education curriculum as listed in the College Catalog at the time the course was completed. Courses fulfilling each area may change, but so long as a course is approved for a general education area at the time it is completed, the course will fulfill the requirement.

Full Certification (completion of all areas), Partial Certification (completion of all but 2 courses), and IGETC UC for STEM Certification (for BIO AS-T only) are available. Students must submit the form found at www.parchment.com/u/registration/33323/institution to have certification noted on their transcript. Completion of the IGETC for UC pattern also satisfies requirements for Certificate of Achievement in Transfer Studies - IGETC UC. Students must apply for this certificate via the application for graduation process to have the certificate awarded and noted on their transcript.

Transfer Studies, IGETC for UC: Certificate of Achievement

The Certificate of Achievement in Transfer Studies - IGETC is designed to provide students the knowledge, skills, experiences, and perspectives that will enable them to expand their capacities to take part in a wide range of human interests and activities; to confront personal, cultural, moral, and social problems that are an inevitable part of human life; and to cultivate both the requisite skills and enthusiasm for lifelong learning. These courses offer the opportunity for students to develop knowledge of, or skills related to, quantitative reasoning, information literacy, intellectual inquiry, global awareness and understanding, human diversity,

civic engagement, communication competence, ethical decision-making, environmental systems, technology, lifelong learning and self-development, and physical and emotional health throughout a lifetime. The variety of different subjects provide a well-rounded or "liberal" education and develop the knowledge, skills, and attitudes that together help create an educated person.

Career/Transfer Opportunities: This certificate is designed for those who intend to complete university general education requirements prior to transfer to a California State University (CSU) or University of California (UC) campus. Completion of the Intersegmental General Education Transfer Curriculum (IGETC) will permit a student to transfer from a California Community College to a CSU or UC campus generally without the need, after transfer, to take additional lower-division, general education courses to satisfy campus general education requirements.

Program Requirements

Complete the following number of credits: 34

Area 1: English Communication (Total 6 credits)

Complete the following number of credits: 6

Complete 1 course from Area 1A (3)

Complete 2 course from Area 1B (3)

Area 2: Mathematical Concepts and Quantitative Reasoning (Total 3 credits)

Complete the following number of credits: (3)

Complete 1 course from Area 2 (3 - 6)

Area 3: Arts and Humanities (Total 9 credits)

Complete the following number of credits: 9

Complete 1 course from Area 3A (3)

Complete 1 course from Area 3B (3)

Complete 1 additional course from either Area 3A or 3B (3)

Area 4: Social and Behavioral Sciences (Total 6 credits)

Complete the following number of credits: 6

Complete 1 courses from Area 4 (3)

Complete 1 additional course from Area 4 in a different discipline than the first course (3)

Area 5: Physical and Biological Sciences (Total 7 credits)

Complete the following number of credits: 7

Complete 1 course from Area 5A (3-5)

Complete 1 course from Area 5B (3-5)

Meet the Area 5C Lab Requirement with your Area 5A or 5B course 0

Area 6: Language Other than English (Total 0 - 5 credits)

Complete the following number of credits: 0-5

Meet the requirements of Area 6 (0 - 5)

Area 7: Ethnic Studies (Total 3 credits)

Complete the following number of credits: (3)

Complete 1 course from Area 7 (3)

Program Outcomes

- Students will engage in meaningful verbal and non-verbal expression through written, oral, signed, and/or artistic communication of ideas and concepts.
- Students will apply principles of scientific and critical inquiry, including quantitative and qualitative techniques, to the analysis of relevant questions, problems, or issues.
- Students will 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.
- Critically analyze and solve problems using the appropriate use of logic, mathematics, multi-disciplinary, and cultural considerations where applicable.

Business, Education and Service Industries

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Business & Education, and Service Industries is a hub for nurturing essential skills and future leaders. Through a blend of practical training and educational excellence, you will get equipped to excel in the dynamic worlds of business and education.

Whether it's mastering financial acumen, embracing technological advancements, shaping young minds, or managing the hospitality sector, this area empowers students to thrive in these critical fields.

ACCOUNTING

Accounting: Associate in Science Degree

Accounting is the language of business. Accountants measure business activities, process that data into reports and use the results to make business decisions. The Accounting Program prepares students for a number of goals including transfer to a four-year institution, career advancement for those already employed, self-employment, and completion of many courses needed to take the CPA or CMA exam. Areas of study include accounting for decision making, accounting for internal and external use, financial statement preparation and analysis, review of financial accounting standards, individual taxation, payroll and business taxes, computerized accounting software, financial auditing, and ethics in accounting.

Career/Transfer Opportunities : Career opportunities include the following: accountants, accounting clerks, bookkeepers, tax preparers, and auditors. Depending on which Electives students choose, the program also satisfies many of the lower-division course requirements for transfer to a four-year institution to pursue a degree in Accounting or Business. The program offers many courses needed to take the CPA (Certified Public Accountant) and CMA (Certified Management Accountant) exams.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" or "P" for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 31-35

Core Requirements (Total 17 - 19 credits)

Complete the following number of credits: 17-19

- ACC001A - Financial Accounting (4)
- ACC001B - Managerial Accounting (4)
- BUS028A - Business Law I (3)
- Complete (ACC 033 and ACC 034) or ACC 075*
- ACC033 - Forecasting Financial Statements Using Excel (1.5)
- ACC034 - Business Financial Planning Using Excel (1.5)
- ACC075 - Cloud Computing and Analytics in Accounting (4)
- Complete ACC061 or ACC073*
- ACC061 - QuickBooks: Online Software (3)
- ACC073 - Accounting Information Systems (4)

Electives List A (Total 11 credits)

Complete 11 credits, not previously taken, from the following:

- ACC023 - Small Business Accounting (3)
- ACC051A - Taxation of Individuals (4)
- ACC051B - Taxation of Business Entities (3)
- ACC052 - Payroll and Business Tax Accounting (3)
- ACC057A - Cost Accounting (4)
- ACC058A - Intermediate Accounting I (4)
- ACC058B - Intermediate Accounting II (4)
- ACC059A - Financial Auditing (4)
- ACC066 - Accounting for Governmental & Nonprofit Entities (3)
- ACC067 - Advanced Accounting (4)
- ACC070 - Ethics in Accounting (3)
- ACC073 - Accounting Information Systems (4)
- ACC075 - Cloud Computing and Analytics in Accounting (4)
- ACC077 - Business Processes & Enterprise Resource Planning Syst (4)

Electives List B (Total 3 credits)

Complete 3 credits, not previously taken, from the following:

- ACC046 - Personal Finance (3)
- ACC070 - Ethics in Accounting (3)
- ACC073 - Accounting Information Systems (4)
- ACC075 - Cloud Computing and Analytics in Accounting (4)
- ACC077 - Business Processes & Enterprise Resource Planning Syst (4)
- BUS021 - Introduction to Business Computing (3)
- BUS021L - Introduction to Business Computing Laboratory (1)
- BUS051 - Intro to American Business (3)
- BUS056A - Marketing Principles (3)
- BUS064B - Business Math (4)
- BUS078B - Bus Communication (3)

Program Learning Outcomes

- Students will perform transaction analysis, process accounting information and prepare and analyze reports.
- Students will prepare and interpret the four basic financial statements.
- Students will use various methods, including cost-volume-profit analysis and flexible budgets, for decision-making in both manufacturing and service environments.
- Students will use various methods, including net present value and the time value of money, to make capital budgeting decisions.

Accounting: Certificate of Achievement

The Certificate of Achievement in Accounting offers a large selection of courses including first-year college accounting as well as more advanced and specialized courses. Courses in the program provide skills which lead to a number of goals, including career advancement for those already employed, self-employment as a bookkeeper or tax preparer, and completion of many courses needed to take the CPA exam.

Career/Transfer Opportunities : Career opportunities include the following: accountants, accounting clerks, bookkeepers, tax preparers and auditors. Depending on which Electives students choose, the program also satisfies many of the lower-division course requirements for transfer to a four-year institution to pursue a degree in Accounting or Business.

This certificate program can be completed fully online

Program Requirements

Complete the following number of credits: 23-25



Core Requirements (Total 11 - 12 credits)

Complete the following number of credits: 11-12

- ACC001A - Financial Accounting (4)
- ACC001B - Managerial Accounting (4)
- Complete (ACC033 and ACC034) or ACC075
- ACC033 - Forecasting Financial Statements Using Excel (1.5)
- ACC034 - Business Financial Planning Using Excel (1.5)
- ACC075 - Cloud Computing and Analytics in Accounting (4)

Electives (Total 12 - 13 credits)

Complete the following number of credits: 12-13

- ACC023 - Small Business Accounting (3)
- ACC033 - Forecasting Financial Statements Using Excel (1.5)
- ACC034 - Business Financial Planning Using Excel (1.5)
- ACC046 - Personal Finance (3)
- ACC051A - Taxation of Individuals (4)
- ACC051B - Taxation of Business Entities (3)
- ACC052 - Payroll and Business Tax Accounting (3)
- ACC057A - Cost Accounting (4)
- ACC058A - Intermediate Accounting I (4)
- ACC058B - Intermediate Accounting II (4)
- ACC059A - Financial Auditing (4)
- ACC061 - QuickBooks: Online Software (3)
- ACC066 - Accounting for Governmental & Nonprofit Entities (3)
- ACC067 - Advanced Accounting (4)
- ACC070 - Ethics in Accounting (3)
- ACC073 - Accounting Information Systems (4)
- ACC075 - Cloud Computing and Analytics in Accounting (4)

Program Learning Outcomes

- Students will perform transaction analysis, process accounting information and prepare and analyze reports.
- Students will prepare and interpret the four basic financial statements.
- Students will use various methods, including cost-volume-profit analysis and flexible budgets, for decision-making in both manufacturing and service environments.
- Students will use various methods, including net present value and the time value of money, to make capital budgeting decisions.

CPA Exam Preparation 1: Auditing & Attestation (AUD): Certificate of Achievement

This certificate is designed for students working toward their Certified Public Accountant (CPA) license. A CPA license is a specialized and highly regarded credential in the field of accounting. Obtaining a CPA license enables individuals to work in public accounting, corporate accounting, business, government, not-for-profit, and education fields. The CPA Exam consists of four segments (1) Auditing and Attestation, (2) Business Environment & Concepts, (3) Financial Accounting & Reporting, and (4) Regulation. The CPA Exam Preparation 1 Certificate prepares students for the Auditing and Attestation section of the CPA Exam. The classes included in this certificate meet the 150-semester hour requirement for licensure in California.

Career/Transfer Opportunities : The Accounting Program prepares students for careers as public accountants, management accountants, accounting clerks, bookkeepers, tax preparers and auditors. Depending on which Electives students choose, the program also satisfies many of the lower-division course requirements for transfer to a four-year institution to pursue a degree in Accounting or Business.

Program Requirements

Complete the following number of credits: 19

Core Requirements (Total 19 credits)

Complete all of the following

- ACC001A - Financial Accounting (4)
- ACC058A - Intermediate Accounting I (4)
- ACC058B - Intermediate Accounting II (4)
- ACC059A - Financial Auditing (4)
- ACC070 - Ethics in Accounting (3)

Program Learning Outcomes

- Analyze the concepts, computations, and reporting requirements needed to pass the Auditing & Attestation part of the CPA exam.
- Evaluate different ethical situations and apply relevant ethical standards.

CPA Exam Preparation 2: Business Environment & Concepts (BEC): Certificate of Achievement

This certificate is designed for students working toward their Certified Public Accountant (CPA) license. A CPA license is a specialized and highly regarded credential in the field of accounting. Obtaining a CPA license enables individuals to work in public accounting, corporate accounting, business, government, not-for-profit, and education fields. The CPA Exam consists of four segments (1) Auditing and Attestation, (2) Business Environment & Concepts, (3) Financial Accounting & Reporting, and (4) Regulation. The CPA Exam Preparation 2 Certificate prepares students for the Business Environment & Concepts (BEC) section of the CPA Exam. The classes included in this certificate meet the 150-semester hour requirement for licensure in California.

Career/Transfer Opportunities: The Accounting Program prepares students for careers as public accountants, management accountants, accounting clerks, bookkeepers, tax preparers and auditors. Depending on which Electives students choose, the program also satisfies many of the lower-division course requirements for transfer to a four-year institution to pursue a degree in Accounting or Business.

Program Requirements

Complete the following number of credits: 20

Core Requirements (Total 16 credits)

Complete all of the following

- ACC001A - Financial Accounting (4)
- ACC001B - Managerial Accounting (4)
- ACC057A - Cost Accounting (4)
- ECN001A - Principles of Macroeconomics (4)

Elective (Total 4 credits)

Complete the following number of credits: 4

- Complete ACC073 or ACC075*
- ACC073 - Accounting Information Systems (4)
- ACC075 - Cloud Computing and Analytics in Accounting (4)

Program Learning Outcomes

- Analyze the concepts, computations, and reporting requirements needed to pass the Business Environment & Concepts part of the CPA exam.
- Evaluate different ethical situations and apply relevant ethical standards.

CPA Exam Preparation 3: Financial Accounting & Reporting (FAR): Certificate of Achievement

This certificate is designed for students working toward their Certified Public Accountant (CPA) license. A CPA license is a specialized and highly regarded credential in the field of accounting. Obtaining a CPA license enables individuals to work in public accounting, corporate accounting, business, government, not-for-profit, and education fields. The CPA Exam consists of four segments (1) Auditing and Attestation, (2) Business Environment & Concepts, (3) Financial Accounting & Reporting, and (4) Regulation. The CPA Exam Preparation 3 Certificate prepares students for the Financial Accounting & Reporting (FAR) section of the CPA Exam. The classes included in this certificate meet the 150-semester hour requirement for licensure in California.

Career/Transfer Opportunities: The Accounting Program prepares students for careers as public accountants, management accountants, accounting clerks, bookkeepers, tax preparers and auditors. Depending on which Electives students choose, the program also satisfies many of the lower-division course requirements for transfer to a four-year institution to pursue a degree in Accounting or Business.

Program Requirements

Complete the following number of credits: 19

Core Requirements (Total 19 credits)

Complete all of the following

- ACC001A - Financial Accounting (4)
- ACC058A - Intermediate Accounting I (4)
- ACC058B - Intermediate Accounting II (4)
- ACC066 - Accounting for Governmental & Nonprofit Entities (3)
- ACC067 - Advanced Accounting (4)

Program Learning Outcomes

- Analyze the concepts, computations, and reporting requirements needed to pass the Financial Accounting & Reporting (FAR) part of the CPA exam.
- Evaluate different ethical situations and apply relevant ethical standards.

CPA Exam Preparation 4: Regulation (REG): Certificate of Achievement

This certificate is designed for students working toward their Certified Public Accountant (CPA) license. A CPA license is a specialized and highly regarded credential in the field of accounting. Obtaining a CPA license enables individuals to work in public accounting, corporate accounting, business, government, not-for-profit, and education fields. The CPA Exam consists of four segments (1) Auditing and Attestation, (2) Business Environment & Concepts, (3) Financial Accounting & Reporting, and (4) Regulation. The CPA Exam Preparation 4 Certificate prepares students for the Regulation (REG) section of the CPA Exam. The classes included in this certificate meet the 150-semester hour requirement for licensure in California.

Career/Transfer Opportunities: The Accounting Program prepares students for careers as public accountants, management accountants, accounting clerks, bookkeepers, tax preparers and auditors. Depending on which Electives students choose, the program also satisfies many of the lower-division course requirements for transfer to a four-year institution to pursue a degree in Accounting or Business.

Program Requirements

Complete the following number of credits: 17

Core Requirements (Total 17 credits)

Complete all of the following

- ACC001A - Financial Accounting (4)
- ACC051A - Taxation of Individuals (4)
- ACC051B - Taxation of Business Entities (3)
- ACC070 - Ethics in Accounting (3)
- BUS028A - Business Law I (3)

Program Learning Outcomes

- Analyze the concepts, computations, and reporting requirements needed to pass the Regulation (REG) part of the CPA exam.
- Evaluate different ethical situations and apply relevant ethical standards.

BUSINESS

Business Administration 2.0: Associate in Science Degree for Transfer

The Associate in Science in Business Administration for Transfer 2.0 (AS-T in Business 2.0) offers a challenging and well-balanced distribution of business courses, specially selected to meet the requirements of transfer institutions. The curriculum provides essential knowledge and skills in the accounting, financial, economics, management, and marketing facets of business. Students can pursue their interest in several specialized areas of business (global business, human resources management, project management, marketing, entrepreneurship, and business computing) through their choice of business Electives.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 30 - 31

Core Requirements (Total 30 - 31 credits)

Complete the following number of credits: 30-31

- ACC001A - Financial Accounting (4)
- ACC001B - Managerial Accounting (4)
- BUS028A - Business Law I (3)
- ECN001A - Principles of Macroeconomics (4)
- ECN001B - Principles of Microeconomics (4)
- Complete BUS 051 or BUS 078B
- BUS051 - Introduction to American Business (3)
- BUS078B - Business Communications (3)
- Complete MAT 012 or MAT 003A or MAT 003AH
- MAT012 - Calculus for Business (4)

MAT003A - Analytic Geometry and Calculus I (5)

MAT003AH - Analytic Geometry and Calculus I - Honors (5)

Complete MAT 010 or MAT 010H

MAT010 - Elementary Statistics (4)

MAT010H - Elementary Statistics - Honors (4)

Program Learning Outcomes

- Students will evaluate a company's (or a non-profit organization) and business sector performance with the application of the appropriate statistical, financial and accounting techniques and methods.
- Students will identify and describe the major legal, and/or ethical, and/or social issues confronting today's contemporary organizations.
- Students will analyze economic models as they apply to market economies and specific product and business sector markets.
- Students will use well organized and accurate business communication channels, including written research analysis, and/or verbal presentations.

Business: Associate in Science Degree

The Associate in Science in Business is designed for students who intend to seek employment directly after its completion or pursue a 4-Year Degree in Business. The curriculum provides essential knowledge and skills in computer applications, business law, business communications, management, entrepreneurship and marketing. Students can pursue their interest in several specialized areas of business (global business, human resources management, project management, business operations, finance, marketing and entrepreneurship) through their choice of business Electives.

Career/Transfer Opportunities: Career opportunities include the following: project coordinator, buyer, bank teller, business owner, sales representative, operations specialist, retail manager, and human resource specialist.

This certificate program can be completed fully online

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 31-32

Core Requirements (Total 16 credits)

Complete all of the following

- BUS021 - Introduction to Business Computing (3)
- BUS021L - Introduction to Business Computing Laboratory (1)
- BUS028A - Business Law I (3)
- BUS051 - Introduction to American Business (3)
- BUS078B - Business Communications (3)
- BUS118 - Human Resources Management (3)

Electives (Total 15 - 16 credits)

Complete the following number of credits: 15-16

- ACC061 - QuickBooks: Online Software (3)
- BUS010 - Global Business (3)

BUS022 - Principles of E-Business (3)
 BUS023 - Social Media Marketing (3)
 BUS037 - Fundamentals of Project Management (3)
 BUS040 - Professional Selling (3)
 BUS041 - Beginning Business Analytics (3)
 BUS052 - Fundamentals of Financial Investing (3)
 BUS054 - Small Business Start Up and Management (3)
 BUS056A - Marketing Principles (3)
 BUS061 - Business and Society (3)
 BUS064B - Business Math 4
 BUS074 - Supply Chain Management (3)
 BUS102 - Leadership (3)
 BUS107 - Soft Skills for Project Managers (2)
 BUS115 - Operations Management (3)
 Complete COM001 or COM001H
 COM001 - Introduction to Public Speaking (3)
 COM001H - Introduction to Public Speaking - Honors (3)

Program Learning Outcomes

- Select the best software application to formulate productive solutions.
- Identify and describe the major legal, and/or ethical, and/or social issues confronting today's contemporary organizations.
- Use well organized and accurate business communication channels, including: written research analysis, and/or verbal presentations.
- Develop business strategies to create and sustained profitability in a dynamic economy.

Business Computing: Certificate of Achievement

The Certificate of Achievement in Business Computing is designed to prepare students with the necessary computer and technology knowledge to work in the business field. This certificate has course offerings in four different disciplines including business, computer applications, computer information systems and computer information technology. This program requires the successful completion of 16 or more units of coursework, as outlined below. Students will learn the skills and knowledge necessary to work with operating systems and databases to generate reports and manage files.

Career/Transfer Opportunities: Career opportunities include the following: office clerk, administrative assistant, help desk technician, and analyst.

- This degree program can be completed fully online

Program Requirements

Complete the following number of credits: 16-19

Core Requirements (Total 7 credits)

Complete all of the following

BUS021 - Introduction to Business Computing (3)
 BUS021L - Introduction to Business Computing Laboratory (1)
 BUS051 - Introduction to American Business (3)

Program Learning Outcomes

- Select the best software application to formulate productive solutions.
- Identify and describe networking, and/or basic programming, and/or data manipulation techniques that build the foundation for productivity and efficiency within an organization.

Entrepreneurship and Small Business: Certificate of Achievement

This certificate program will provide students with an opportunity to develop their entrepreneurial skills with an understanding of accounting, marketing, finance, leadership, business law, and management as they relate to business ownership. Graduates of this program will seek employment as business owners, freelancers, and consultants in areas such as the arts, accounting, hospitality, music, information technology and programming.

Career/Transfer Opportunities : Career Opportunities include the following: Business Owner, Art Freelancer, Music Freelancer, Financial Service Professional, Business Development Lead, Software Programmer and B2B Account Manager.

Program Requirements

Complete the following number of credits: 16-17

Core Requirements (Total 13-14)

Complete all of the following

BUS054 - Small Business Start Up and Management (3)
 BUS111 - The Entrepreneurial Mindset (3)
 BUS112 - Business Modeling (3)
 Complete BUS 114 or ACC 061
 BUS114 - Entrepreneurship Finance (2)
 ACC061 - QuickBooks: Online Software (3)

Electives (Total 5 - 6)

Complete the following number of credits: 5-6

ACC023 - Small Business Accounting (3)
 BUS022 - Principles of E-Business (3)
 BUS023 - Social Media Marketing (3)
 BUS056A - Marketing Principles (3)
 BUS084 - Internet Marketing (3)
 BUS107 - Soft Skills for Project Managers (2)
 BUS109 - Business Law for Entrepreneurs (2)
 WRK300GW - General Work Experience (1 - 4)

Program Learning Outcomes

- Identify and describe the entrepreneurship fundamentals in the various disciplines (i.e. Finance, Marketing, Law..)
- Develop a business plan before launching a business venture.
- Evaluate the feasibility of a business concept in the current local market along with its strengths and weaknesses.

Management and Leadership: Certificate of Achievement

This certificate program is designed to prepare students interested in the field of management. The Electives offered are broad so that a student, depending on their interest, may focus on a subset of management. Graduates of the program will seek management positions in different fields such as Finance, Manufacturing, Information Systems, Marketing, Retail and Human Resources. Students learn skills such as leading cross functional teams, applying employee empowerment, identifying the importance ethical leadership, utilizing electronic communication technology and the impact of organizational staffing. This certificate prepares students for the challenges that managers will face in working in today's diverse, technology-driven, and continuously changing business environment.

Career/Transfer Opportunities include the following: Entry level management positions, marketing and management Trainees and business development associates. Depending on which Electives

students choose, the program also satisfies some of the lower-division course requirements for transfer to a four-year institution to pursue a degree in Business.

Program Requirements

Complete the following number of credits: 16-18

Core Requirements (Total 9)

Complete all of the following

BUS037 - Fundamentals of Project Management 3

BUS102 - Leadership 3

BUS118 - Human Resources Management 3

Electives (Total 7 - 9)

Complete the following number of credits: 7-9

BUS010 - Global Business 3

BUS012 - International Financial Management 3

BUS022 - Principles of E-Business 3

BUS054 - Small Business Start Up and Management 3

BUS074 - Supply Chain Management 3

BUS078B - Business Communications 3

BUS104 - Project Risk Management 3

BUS105 - Agile Project Management 2

BUS107 - Soft Skills for Project Managers 2

BUS115 - Operations Management 3

COM015 - Fundamentals of Human Communication in Professional and Career Contexts 3

WRK300GW - General Work Experience 1 - 4

Program Learning Outcomes

- Analyze and recommend effective business decisions/solutions using a systematic, evaluative, and information-based approach.
- Effectively communicate solutions to business problems, using appropriate language and tools and demonstrating understanding of business terms and concepts.
- Develop and exhibit high standards of professional practice, demonstrating awareness of ethical and social responsibilities in today's multicultural, team-oriented, rapidly-changing global environment.

Electives (Total 9 - 12 credits)

Complete the following number of credits: 9-12

CAP046D - Introduction to Microsoft PowerPoint (1)

CAP062B - Introduction to Microsoft Excel (1)

CAP063B - Intermediate Microsoft Excel (2)

CIS001 - Introduction to Computer Science and Technology (4)

CIS007 - Python Programming (4)

CIS051 - Introduction to Data Analysis (4)

CIS055 - Database Management Systems I (3)

CIT011 - Introduction to Computer Hardware and Software (A+) (4)

CIT012 - Introduction to Networking (4)

CAP044 - Using Project Management Software to Manage a Project (1)

ACC077 - Business Processes & Enterprise Resource Planning Syst (4)

ACC075 - Cloud Computing and Analytics in Accounting (4)

ACC001A - Financial Accounting (4)

Program Learning Outcomes

- Select the best software application to formulate productive solutions.
- Identify and describe networking, and/or basic programming, and/or data manipulation techniques that build the foundation for productivity and efficiency within an organization.
- Apply information system terms and concepts.
- Demonstrate the ability to use a spreadsheet, word processing and presentation program.

Project Coordinator: Certificate of Achievement

The Certificate of Achievement - Project Coordinator offers a multi-discipline program of business, computer application and communication courses. This program includes a comprehensive internship that provides students with on the job training in the field of project management. This certificate will lead students to an entry level position in project management. Students learn technical and innovative skills in utilizing project software, presenting their ideas in front of an audience, working within different organizational structures, scheduling, budgeting, and other tools which assure that project work yields the desired business results in professional services such as Information Technology, Construction, Manufacturing, Finance, Health Care and other fields.

Career/Transfer Opportunities There are a number of opportunities including: Project Coordinator, Junior Project Manager, Assistant Project Manager and Associate Project Manager.

Program Requirements

Complete the following number of credits: 22

Core Requirements: (Total 22)

Complete all of the following

BUS021L - Introduction to Business Computing Laboratory (1)

BUS037 - Fundamentals of Project Management (3)

BUS051 - Introduction to American Business (3)

BUS078B - Business Communications (3)

BUS105 - Agile Project Management (2)

CAP044 - Using Project Management Software to Manage a Project (1)

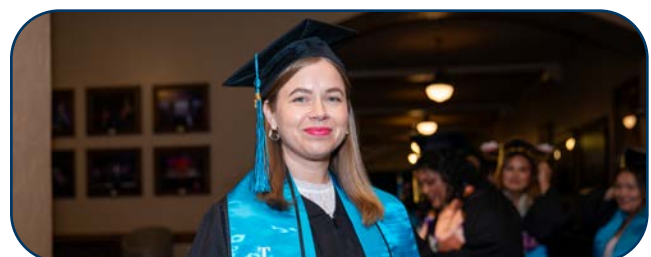
CAP063B - Intermediate Microsoft Excel (2)

COM015 - Fundamentals of Human Communication in Professional and Career Contexts (3)

WRK300GW - General Work Experience (4)

Program Learning Outcomes

- Apply the project management techniques, skills and tools to successfully complete a project on schedule, within budget and meet the customer's objectives.
- Display their written and oral communication skills variety of audiences.
- Identify, analyze and solve business problems utilizing several different software packages (MS Project, MS Excel)



Project Management: Certificate of Achievement

The Certificate of Achievement in Project Management prepares students with the necessary skills required to successfully manage a project and to prepare for the PMP® or CAPM® certification exams. Topics covered include project integration, scope, cost management, software tools, project control, human resource management, risk management, quality management, procurement management, communications management and PMP®/CAPM® test preparation.

Career/Transfer Opportunities: Career Opportunities include the following: Project Control Specialist, Business Analyst, Junior Project Manager, Facilities Planner, IT Project Manager, Finance Project Manager, Risk Manager, Assistant Construction Project Manager and Software Project Manager.

Program Requirements

Complete the following number of credits: 16-19

Core Requirements (Total 6 credits)

Complete all of the following

- BUS037 - Fundamentals of Project Management (3)
- BUS108 - PMP & CAPM Exam Prep (2)
- CAP044 - Using Project Management Software to Manage a Project (1)

Electives (Total 10 - 13 credits)

Complete the following number of credits: 10-13

- BUS041 - Beginning Business Analytics (3)
- BUS102 - Leadership (3)
- BUS104 - Project Risk Management (3)
- BUS105 - Agile Project Management (2)
- BUS107 - Soft Skills for Project Managers (2)
- BUS115 - Operations Management (3)
- BUS118 - Human Resources Management (3)
- CAP063B - Intermediate Microsoft Excel (2)
- CIS051 - Introduction to Data Analysis (4)
- COM015 - Fundamentals of Human Communication in Professional and Career Contexts (3)
- WRK300GW - General Work Experience (1 - 4)

Program Learning Outcomes

- Demonstrate the project life cycles and processes in the application of a project.
- Identify and describe the 10 Project Management Knowledge areas with key inputs/outputs, tools and techniques.
- Students will apply project management skills and strategies to various business situations.
- Students will demonstrate the ability to work effectively as a member of a team.
- Students will communicate accurately and effectively, both verbally and in writing, with clients, customers, co-workers, employees and supervisors in the workplace.

COMPUTER APPLICATIONS

Administrative Specialist: Associate in Science

The Associate in Science in Administrative Specialist is designed to prepare students to work in an office environment using computers and software applications that are in demand for the 21st Century workplace. The program also prepares students to work at various levels of office support such as an office assistant, business information professional, administrative specialist, and executive secretary.

Career/Transfer Opportunities: Career opportunities include the following: business information professional, executive secretary, administrative specialists, Office managers, and administrative assistants. To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

This certificate program can be completed fully online

Program Requirements

Complete the following number of credits: 26

Core Requirements (Total 26 credits)

Complete all of the following

- ACC023 - Small Business Accounting (3)
- BUS051 - Introduction to American Business (3)
- BUS078B - Business Communications (3)
- BUS107 - Soft Skills for Project Managers (2)
- CAP010A - Learning the Keyboard (1)
- CAP033A - Microsoft Word - Course 1 (3)
- CAP044 - Using Project Management Software to Manage a Project (1)
- CAP046D - Introduction to Microsoft PowerPoint (1)
- CAP062B - Introduction to Microsoft Excel (1)
- CAP063B - Intermediate Microsoft Excel (2)
- CAP071E - Microsoft Outlook (1)
- CAP092B - Google Apps for Personal Productivity (2)
- CAP111 - Collaborate and Integrate with SharePoint & MS Office 365 (3)

Program Learning Outcomes

- Apply effective business communication and presentation skills to satisfy customers' needs.
- Create a variety of business documents using Microsoft Office software.



Administrative Specialist: Certificate of Achievement

The Certificate of Achievement in Administrative Specialist is designed for students seeking to acquire the technical skills to effectively work in a business office environment using computers and software applications that are in demand for the 21st Century workplace. The program also prepares students to work at various levels of office support such as an office assistant, business information professional, and administrative specialist.

Career/Transfer Opportunities : Career opportunities include the following: business information professional, office assistant, administrative specialists, and administrative assistants.

This certificate program can be completed fully online

Program Requirements

Complete the following number of credits: 16

Core Requirements (Total 16 credits)

Complete all of the following

- CAP010A - Learning the Keyboard (1)
- CAP033A - Microsoft Word - Course 1 (3)
- CAP044 - Using Project Management Software to Manage a Project (1)
- CAP046D - Introduction to Microsoft PowerPoint (1)
- CAP062B - Introduction to Microsoft Excel (1)
- CAP063B - Intermediate Microsoft Excel (2)
- CAP071E - Microsoft Outlook (1)
- CAP070 - Using MS Windows (1)
- CAP092B - Google Apps for Personal Productivity (2)
- CAP111 - Collaborate and Integrate with SharePoint & MS Office 365 (3)

Program Learning Outcomes

- Create a variety of business documents using Microsoft Office software.

Beginning Computer Skills: Certificate of Completion (Noncredit)

This noncredit CDCP program teaches students basic computer skills needed for today's workforce. These skills include touch keyboarding, searching the Internet, using application software and sending emails.

Career Opportunities: Students who complete this program will be able to carry out simple computer operations required of many entry-level jobs in business and technology.

Program Requirements

Complete all of the following

- CAP100 - Learning the Keyboard Noncredit
- CAP101 - Computers Simplified for Beginning Learners Noncredit

Program Learning Outcomes

- Students will use application software and the Internet to search a subject, create a document, and send an email.

Business Information Professional: Certificate of Achievement

The Business Information Professional Certificate of Achievement is a career pathway designed to help students acquire communication, technical, and management skills and knowledge that are in demand for the 21st Century workplace. These include presentation, critical thinking, and oral/written communication skills; proficiency in Microsoft Windows and Microsoft Office (Word, Excel, PowerPoint, and Outlook); and management skills including leadership, collaboration, decision-making, problem solving and human relations. Students who complete the Business Information Professional Certificate are prepared for entry-level office and administrative support positions in a variety of business environments.

Career Opportunities include the following: office administrators, office clerks, office managers, retail salespersons, customer service representatives, receptionists, information clerks, and administrative assistants.

Program Requirements

Complete the following number of credits: 19

Core Requirements (Total 19 credits)

Complete all of the following

- BUS021 - Introduction to Business Computing (3)
- BUS078B - Business Communications (3)
- BUS107 - Soft Skills for Project Managers (2)
- BUS118 - Human Resources Management (3)
- CAP010A - Learning the Keyboard (1)
- CAP033A - Microsoft Word - Course 1 (3)
- CAP046D - Introduction to Microsoft PowerPoint (1)
- CAP062B - Introduction to Microsoft Excel (1)
- CAP070 - Using MS Windows (1)
- CAP071E - Microsoft Outlook (1)

Program Learning Outcomes

- Apply effective business communication and presentation skills to satisfy customers' needs.
- Create a variety of business documents using Microsoft Office software.



CHILD DEVELOPMENT

Associate Teacher: Certificate of Achievement

Certificate of Achievement in Associate Teacher is an academic and vocational training program that prepares students for future work as early childhood educators in diverse early childhood settings. The certificate is designed to prepare students to enter the workforce prepared with skills necessary to effectively work in the field. Courses meet entry level requirements and/or meet the requirements needed to obtain a California Child Development Permit. The program is designed to prepare students with coursework as required by California licensing policies. Course completion with practicum experience can lead to a California Child Development Permit and employment. Coursework may apply toward lower division preparation requirements for students interested in transferring to a four-year college or university.

Career/Transfer Opportunities : Completion of this certificate qualifies students to apply for the California Child Development Permit at the Associate Teacher level. Students completing the Certificate of Achievement in Associate Teaching can gain entry level positions as an assistant or associate teacher in private or publicly funded early childhood or afterschool programs. On-the-job training fulfills the requirement to attain a lead teaching position. Students planning to transfer to a four-year college or university and wishing to pursue careers in human development, child psychology, social work, and secondary education should see a counselor to develop an education plan for further requirements.

Program Requirements

Complete the following number of credits: 21.5

Core Requirements (Total 21.5 credits)

Complete all of the following

- CHD001 - Child Growth and Development (3)
- CHD002 - Child, Family, and Community (3)
- CHD008A - Practicum A (3.5)
- CHD010 - Principles and Practices of Teaching Young Children (3)
- CHD015 - Observation and Assessment of Children (3)
- CHD017 - Child Health, Safety and Nutrition (3)
- CHD026 - Introduction to Curriculum (3)

Program Learning Outcomes

- Create and implement developmentally and culturally appropriate curriculum.
- Identify developmental milestones in the cognitive, emotional, social and physical domains.
- Identify and explain the dominant theories and philosophies in early childhood education.

Early Intervention Assistant: Certificate of Achievement

Early Intervention Assistant The Certificate of Achievement: Early Intervention Assistant is an academic and vocational training program that prepares students for future work as early childhood educators in diverse early childhood settings. Courses are designed to meet entry level requirements and/or meet the requirements needed to obtain a California Child Development Permit. Coursework for the program leads to employment in a program for children with special needs or an inclusion program. This program is designed to prepare students to compete for higher paying positions when seeking employment in a program that cares for children with special needs. Please see a counselor for more information.

Career/Transfer Opportunities : Students planning to transfer to a four-year college or university and wishing to pursue careers in special education, child psychology, social work, and other related field may be able to apply child development units toward lower division preparation requirements. See a counselor for additional information.

Program Requirements

Complete the following number of credits: 25-27

Core Requirements (Total 24 credits)

Complete all of the following

- CHD001 - Child Growth and Development (3)
- CHD002 - Child, Family, and Community (3)
- CHD010 - Principles and Practices of Teaching Young Children (3)
- CHD016 - Infant and Toddler Development (3)
- CHD020 - The Child with Special Needs in the Community (3)
- CHD024 - Positive Guidance in Early Childhood Programs: Managing Challenging (3)
- CHD025 - Inclusion Strategies and Curriculum in Early Childhood Education (3)
- WRK300CD - Occupational Work Experience for Child Development (3)

Elective (Total 1 - 3 credits)

Complete the following number of credits: 1-3

- CHD003 - Language and Literacy for the Young Child (3)
- CHD004 - Cognitive Experiences for Children (3)
- CHD015 - Observation and Assessment of Children (3)
- CHD017 - Child Health, Safety and Nutrition (3)
- CHD018 - Parenting Issues for Teachers (1)
- CHD021 - Children and Play (3)

Program Learning Outcomes

- Students will demonstrate effective verbal and written communication skills to actively collaborate with families in an ongoing and positive manner to support each children's and family's development.
- Students will identify and describe the typical and atypical child developmental milestones of children birth to age five.
- Students will accurately explain the process of curriculum and environment development including adaptations and modifications for infants/toddlers and preschool children at high risk and/or with disabilities.
- Students will identify and describe early characteristics and behaviors which might necessitate early intervention.



Early Childhood Education: Associate in Science Degree for Transfer

The Associate in Science in Early Childhood Education for Transfer is designed to provide a clear pathway to a CSU institution for students who plan to transfer and complete a CSU major or baccalaureate degree in Early Childhood Education. This degree also provides knowledge and skills to support direct entry to the workforce. Students who complete this program will possess a working knowledge of child development in all domains, and will have the ability to develop and implement curriculum in early childhood education that is both developmentally and culturally appropriate. Students will understand the importance of the family and cultural connection to the developing child. To earn this degree students must meet the following:

- Completion of 60 semester units.
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 24.5

Core Requirements (Total 24.5 credits)

Complete all of the following

- CHD001 - Child Growth and Development (3)
- CHD002 - Child, Family, and Community (3)
- CHD008A - Practicum A (3.5)
- CHD010 - Principles and Practices of Teaching Young Children (3)
- CHD013 - Teaching in a Diverse Society (3)
- CHD015 - Observation and Assessment of Children (3)
- CHD017 - Child Health, Safety and Nutrition (3)
- CHD026 - Introduction to Curriculum (3)

Program Learning Outcomes

- Analyze the development of young children, early childhood curriculum and the classroom environment.
- Demonstrate knowledge of child development theory and its application to Early Care and Education by identifying key developmental theorists and recognizing children's developmental stages.
- Demonstrate competence in facilitating the development of each young child as a unique individual through the creation of individual and group curriculum that promotes physical, cognitive and/or socio-emotional development.

Early Childhood Education: Associate in Science Degree

The Associate in Science in Child Development is an academic and vocational training program that prepares students for future work as early childhood educators in diverse early childhood settings. Courses are designed to meet entry-level requirements for employment and/or meet the requirements needed to obtain a California Child Development Permit and employment in a state licensed, private or publicly funded center-based childcare program. Completion of specific coursework can also lead to employment in a program for children with special needs or an inclusion program. This program is designed to prepare students to compete for higher paying positions and to facilitate transfer to a four-year college or university.

Career/Transfer Opportunities : Courses meet entry level educational requirements in early childhood programs per California licensing policies. Students wishing to pursue higher level careers in early childhood programs, human development, child psychology, social work, and secondary education should see a counselor to determine the transfer requirements of specific four-year colleges or universities.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 36.5

Core Requirements (Total 30.5 credits)

Complete all of the following

- CHD001 - Child Growth and Development (3)
- CHD002 - Child, Family, and Community (3)
- CHD008A - Practicum A (3.5)
- CHD010 - Principles and Practices of Teaching Young Children (3)
- CHD013 - Teaching in a Diverse Society (3)
- CHD015 - Observation and Assessment of Children (3)
- CHD016 - Infant and Toddler Development (3)
- CHD017 - Child Health, Safety and Nutrition (3)
- CHD020 - The Child with Special Needs in the Community (3)
- CHD026 - Introduction to Curriculum (3)

Electives (Total 6 credits)

Complete the following number of credits: 6

- CHD003 - Language and Literacy for the Young Child (3)
- CHD004 - Cognitive Experiences for Children (3)
- CHD005 - Music and Movement (3)
- CHD006 - Administration I: Programs in Early Childhood Education (3)
- CHD007 - Personnel and Leadership in Early Childhood Education (3)
- CHD014 - Art and Creative Development of Young Children (3)
- CHD018 - Parenting Issues for Teachers (1)
- CHD021 - Children and Play (3)
- CHD022 - Adult Supervision in Early Childhood Programs (2)
- CHD024 - Positive Guidance in Early Childhood Programs: Managing Challenging Behaviors (3)
- CHD025 - Inclusion Strategies and Curriculum in Early Childhood Education (3)



Program Learning Outcomes

- Demonstrate an understanding of typical development of young children.
- Identify and apply Developmentally Appropriate Practices in curriculum which include sensitivity to diverse family structures, abilities of children and individual learning styles.
- Compare and contrast developmental theorists and their contribution to early childhood education.
- Demonstrate the differences between typical and atypical development in young children and identify resources for children with special needs.
- Examine the differences between education models for ECE.
- Create Developmentally Appropriate education plans for young children identifying outcomes using Bloom's taxonomy and accurately document the learning that happens.
- Observe and assess young children's development using various observation and assessment tools.

Master Teacher: Certificate of Achievement

The Master Teacher Certificate of Achievement is an academic and vocational training program that prepares students for future work as early childhood educators in diverse early childhood settings. The program is designed to prepare students to enter the workforce prepared with skills necessary to effectively work in the field. Courses meet entry level requirements and/or meet the requirements needed to obtain a California Child Development Permit. The program is designed to prepare students with coursework as required by California licensing policies. Course completion with practicum experience can lead to a California Child Development Permit and employment. Coursework may apply toward lower division preparation requirements for students interested in transferring to a four-year college or university.

Career/Transfer Opportunities : Completion of this certificate qualifies students to apply for the California Child Development Permit at the Master Teacher level. Upon successful completion of this program students will have the opportunity to gain entry level positions as a lead teacher or be a master teacher in private or publicly funded early childhood and after school programs. On the job training fulfills the requirement to attain a lead teaching position. Students planning to transfer to a four-year college or university and wishing to pursue careers in human development, child psychology, social work, and secondary education should see a counselor to develop an education plan.

Program Requirements

Complete the following number of credits: 35.5

Core Requirements (Total 29.5 credits)

Complete all of the following

- CHD001 - Child Growth and Development (3)
- CHD002 - Child, Family, and Community (3)
- CHD003 - Language and Literacy for the Young Child (3)
- CHD004 - Cognitive Experiences for Children (3)
- CHD008A - Practicum A (3.5)
- CHD010 - Principles and Practices of Teaching Young Children (3)
- CHD015 - Observation and Assessment of Children (3)
- CHD017 - Child Health, Safety and Nutrition (3)
- CHD022 - Adult Supervision in Early Childhood Programs (2)
- CHD026 - Introduction to Curriculum (3)

Electives (Total 6 credits)

Complete the following number of credits: 6

- CHD005 - Music and Movement (3)
- CHD006 - Administration I: Programs in Early Childhood Education (3)
- CHD007 - Personnel and Leadership in Early Childhood Education (3)
- CHD013 - Teaching in a Diverse Society (3)
- CHD014 - Art and Creative Development of Young Children (3)
- CHD016 - Infant and Toddler Development (3)
- CHD020 - The Child with Special Needs in the Community (3)
- CHD021 - Children and Play (3)
- CHD024 - Positive Guidance in Early Childhood Programs: Managing Challenging Behaviors (3)
- CHD025 - Inclusion Strategies and Curriculum in Early Childhood Education (3)

Program Learning Outcomes

- Complete appropriate preparation for the Master Teacher Child Development Permit from the State of California.
- Demonstrate specialized curriculum for the early childhood education classroom.
- Identify and explain health, safety and nutritional needs of children in early childhood programs.

HOSPITALITY MANAGEMENT

Baking and Pastry: Associate in Science Degree

The Associate Degree in Baking and Pastry provides marketable skills necessary for advanced success in the baking and restaurant industry. Graduates learn management theory, business operations, and baking and pastry skills necessary to start their own pastry operations or assume management positions in existing pastry, catering, and restaurant firms. Core classes should be taken in the recommended order for maximum success.

Career and Transfer Opportunities: Bakery owner, Pastry Chef, Baking Department Manager, Catering Company Owner or Manager, Chocolatier, Confectioner, and Wholesale Bakery Owner or Manager/Operator.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.



Program Requirements

Complete the following number of credits: 35

Core Requirements (Total 35 credits)

Complete all of the following

- FDR050 - Introduction to the Hospitality Industry (3)
- FDR051A - Basic Food Preparation (3)
- FDR053 - Restaurant Operations (7)
- FDR056 - Sanitation and Safety (2)
- FDR058 - Cost Control for Foodservice Organizations (3)
- FDR059 - Supervision, Management & Leadership (4)
- FDR073 - Fundamentals of Baking and Confectionery (2)
- FDR074 - Intermediate Baking and Confectionery (2)
- FDR078 - Advanced Baking and Pastry (2)
- FDR082 - Introduction to Chocolate and Confectionery (2)
- FDR086 - Beginning Bread Making (2)
- WRK300HM - Occupational Work Experience for Hospitality Management (3)

Electives (Total 2 - 3 credits)

Complete the following number of credits: 2-3

- CAP010A - Learning the Keyboard (1)
- CAP062B - Introduction to Microsoft Excel (1)
- FDR051B - Intermediate Food Preparation (3)
- FDR055 - Procurement for Foodservice Operations (3)
- FDR072 - International Cuisine (3)
- FDR075 - Menu Planning (2)
- FDR076 - Sales and Marketing in the Hospitality Industry (3)
- FDR079 - Introduction to Food and Wine Pairing (3)
- FDR081 - Introduction to Wines and Spirits of the World (2)
- FDR085 - Foundations for Sustainability in Hospitality, Tourism and Leisure Services (3)
- FDR096 - Healthy Cuisine (3)
- FDR105 - Catering Management and Operations (2)
- FDR106A - Starting a Mobile Food Business (2)
- FDR106B - Mobile Food Operations (2)
- NTR015 - Human Nutrition (3)

Additional units of WRK300HM not counted for Core Requirements

WRK300HM - Occupational Work Experience for Hospitality Management (1 - 8)

Program Learning Outcomes

- Demonstrate mastery of all basic baking formulas necessary to manage a pastry operation or department.
- Demonstrate skills needed to produce finished top tier cakes, wedding and special occasion cakes, pastries, and chocolate and confectionary craftsmanship.
- Plan and operate a successful bakery or pastry department and effectively manage its staff.
- Demonstrate sanitation and safety practices as well as COVID standards as they apply to food service operations.

Baking and Pastry: Certificate of Achievement

The Certificate of Achievement in Baking and Pastry is for students interested in entering the field of baking and pastry work in the food service industry. It covers basic skills in making bread, cake, breakfast pastries, pies and tarts, mousses and custards, and chocolates and confections with basic and essential hospitality managerial skills and processes.

Career and Transfer Opportunities: Baker Prep, Assistant Baker; Baker; Pastry Prep; Assistant Pastry Chef; Pastry Chef; Garde Manger; Kitchen Prep; Restaurant Supervisor; Kitchen Manager

Program Requirements

Complete the following number of credits: 35

Core Requirements (Total 35 credits)

Complete all of the following

- FDR050 - Introduction to the Hospitality Industry (3)
- FDR051A - Basic Food Preparation (3)
- FDR058 - Cost Control for Foodservice Organizations (3)
- FDR059 - Supervision, Management & Leadership (4)
- FDR073 - Fundamentals of Baking and Confectionery (2)
- FDR074 - Intermediate Baking and Confectionery (2)
- FDR078 - Advanced Baking and Pastry (2)
- FDR082 - Introduction to Chocolate and Confectionery (2)
- FDR086 - Beginning Bread Making (2)
- FDR056 - Sanitation and Safety (2)
- FDR053 - Restaurant Operations (7)
- WRK300HM - Occupational Work Experience for Hospitality Management (3)

Electives (Total 2 - 3 credits)

Complete the following number of credits: 2-3

- CAP010A - Learning the Keyboard (1)
- CAP062B - Introduction to Microsoft Excel (1)
- FDR051B - Intermediate Food Preparation (3)
- FDR055 - Procurement for Foodservice Operations (3)
- FDR072 - International Cuisine (3)
- FDR075 - Menu Planning (2)
- FDR076 - Sales and Marketing in the Hospitality Industry (3)
- FDR079 - Introduction to Food and Wine Pairing (3)
- FDR081 - Introduction to Wines and Spirits of the World (2)
- FDR085 - Foundations for Sustainability in Hospitality, Tourism and Leisure Services (3)
- FDR096 - Healthy Cuisine (3)
- FDR105 - Catering Management and Operations (2)
- FDR106A - Starting a Mobile Food Business (2)
- FDR106B - Mobile Food Operations (2)
- NTR015 - Human Nutrition (3)

Additional units of WRK300HM not counted for Core Requirements 1 - 2

WRK300HM - Occupational Work Experience for Hospitality Management (1 - 8)

Program Learning Outcomes

- Apply practical knowledge and efficiency of baking and pastry production practices.
- Be proficient in classical as well as modern and trend-based baking and pastry techniques and production methods.
- Demonstrate sanitation & safety practices as well as COVID standards as they apply to food service operations.
- Students will demonstrate their mastery of basic baking and pastry work.
- 80% Students completing the required course work and obtaining certificates will be employed in baking or pastry positions in the food service industry.

Culinary Arts: Associate in Science Degree

The Culinary Arts Associates in Science is an intentional and specific expansion of the Hospitality Management program at Mission college. Students gain a solid command of traditional and modern food preparation, presentation, and service practices common throughout the industry. Menu planning, cost control and the maintenance of a safe, fair, and equitable working environment are reinforced. A complete chef's uniform is required.

Career Opportunities: Prep Cook, Line Cook, Short-order Cook, Chef de Partie (station supervisor), Assistant Baker or Pastry, Sous Chef, Chef, Kitchen Supervisor, Food and Beverage Supervisor, Event Supervisor, Catering Supervisor, and Banquet Lead.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 47

Core Requirements (Total 41 credits)

Complete all of the following

- FDR050 - Introduction to the Hospitality Industry (3)
- FDR051A - Basic Food Preparation (3)
- FDR051B - Intermediate Food Preparation (3)
- FDR053 - Restaurant Operations (7)
- FDR056 - Sanitation and Safety (2)
- FDR058 - Cost Control for Foodservice Organizations (3)
- FDR059 - Supervision, Management & Leadership (4)
- FDR072 - International Cuisine (3)
- FDR073 - Fundamentals of Baking and Confectionery (2)
- FDR075 - Menu Planning (2)
- FDR079 - Introduction to Food and Wine Pairing (3)
- FDR096 - Healthy Cuisine (3)
- WRK300HM - Occupational Work Experience for Hospitality Management (3)

Electives (Total 6 credits)

Complete the following number of credits: 6

- FDR054 - Hotel and Restaurant Accounting (3)
- FDR055 - Procurement for Foodservice Operations (3)
- FDR060 - Food Service Facilities Planning (3)
- FDR074 - Intermediate Baking and Confectionery (2)
- FDR076 - Sales and Marketing in the Hospitality Industry (3)

- FDR078 - Advanced Baking and Pastry (2)
- FDR081 - Introduction to Wines and Spirits of the World (2)
- FDR082 - Introduction to Chocolate and Confectionery (2)
- FDR085 - Foundations for Sustainability in Hospitality, Tourism and Leisure Services (3)
- FDR086 - Beginning Bread Making (2)
- FDR105 - Catering Management and Operations (2)
- FDR106A - Starting a Mobile Food Business (2)
- FDR106B - Mobile Food Operations (2)
- Additional units of WRK300HM not counted for Core Requirements*
- WRK300HM - Occupational Work Experience for Hospitality Management (1 - 8)

Program Learning Outcomes

- Use forecasting techniques to translate strategic business objectives and financial documents into effective and efficient daily operational processes
- Be confident and skillful in cooking and basic baking practices to be able to properly create and execute kitchen functions and processes, train and mentor staff, and lead the kitchen in a professional and successful manner.
- Students completing culinary arts degree will obtain employment in the food service industry.
- Students entering the culinary arts program will complete the degree or certificate in culinary arts.

Culinary Arts: Certificate of Achievement

The Culinary Arts Certificate of Achievement is an intentional and specific expansion of the hospitality management program at Mission College. Students gain a solid command of traditional and modern food preparation, presentation, and service practices common throughout the industry. Menu planning, cost control and the maintenance of a safe, fair, and equitable working environment are reinforced. A complete chef's uniform is required.

Career Opportunities: Prep Cook, Line Cook, Short-order Cook, Chef de Partie (station supervisor), Assistant Baker or Pastry, Sous Chef, Chef, Kitchen Supervisor, Food and Beverage Supervisor, Event Supervisor, Catering Supervisor, and Banquet Lead.

Program Requirements

Complete the following number of credits: 47

Core Requirements (Total 41 credits)

Complete all of the following

- FDR050 - Introduction to the Hospitality Industry (3)
- FDR051A - Basic Food Preparation (3)
- FDR051B - Intermediate Food Preparation (3)
- FDR053 - Restaurant Operations (7)
- FDR056 - Sanitation and Safety (2)
- FDR058 - Cost Control for Foodservice Organizations (3)
- FDR059 - Supervision, Management & Leadership (4)
- FDR072 - International Cuisine (3)
- FDR073 - Fundamentals of Baking and Confectionery (2)
- FDR075 - Menu Planning (2)
- FDR079 - Introduction to Food and Wine Pairing (3)
- FDR096 - Healthy Cuisine (3)
- WRK300HM - Occupational Work Experience for Hospitality Management (3)

Electives (Total 6 credits)

Complete the following number of credits: 6

- FDR054 - Hotel and Restaurant Accounting (3)
- FDR055 - Procurement for Foodservice Operations (3)
- FDR060 - Food Service Facilities Planning (3)
- FDR074 - Intermediate Baking and Confectionery (2)
- FDR076 - Sales and Marketing in the Hospitality Industry (3)
- FDR078 - Advanced Baking and Pastry (2)
- FDR081 - Introduction to Wines and Spirits of the World (2)
- FDR082 - Introduction to Chocolate and Confectionery (2)
- FDR085 - Foundations for Sustainability in Hospitality, Tourism and Leisure Services (3)
- FDR086 - Beginning Bread Making (2)
- FDR105 - Catering Management and Operations (2)
- FDR106A - Starting a Mobile Food Business (2)
- FDR106B - Mobile Food Operations (2)

Additional Units of WRK300HM - Not Counted for Core Requirements 1 - 2

Program Learning Outcomes

- Demonstrate command of traditional and contemporary culinary preparation and service practices.
- Supervise a diverse kitchen team in the execution of complete and effective food production and service.
- Demonstrate efficient and proficient utilization of the operating control cycle and related resources.
- Students completing culinary arts certificate of achievement will obtain employment in the food service industry.
- Students entering the culinary arts program will complete the certificate in culinary arts.

Food Service and Restaurant Management: Certificate of Achievement

The Certificate of Achievement Food Service and Restaurant Management is designed to provide students with the foundation that will encourage them to engage effectively and immediately in a career ladder leading to entry-level supervisory and/or manager trainee positions within the food service and hospitality industries.

Career/Transfer Opportunities : Career opportunities include the following: restaurant supervisor, front desk supervisor, kitchen manager, guest services supervisor, catering and social events manager, housekeeping supervisor, inventory supervisor, and attractions supervisor.

Program Requirements

Complete the following number of credits: 47

Core Requirements (Total 47 - 50 credits)

Complete all of the following

- FDR050 - Introduction to the Hospitality Industry (3)
- FDR051A - Basic Food Preparation (3)
- FDR051B - Intermediate Food Preparation (3)
- FDR053 - Restaurant Operations (7)
- FDR054 - Hotel and Restaurant Accounting (3)
- FDR055 - Procurement for Foodservice Operations (3)
- FDR056 - Sanitation and Safety (2)
- FDR058 - Cost Control for Foodservice Organizations (3)
- FDR059 - Supervision, Management & Leadership (4)

FDR060 - Food Service Facilities Planning (3)

FDR075 - Menu Planning (2)

FDR076 - Sales and Marketing in the Hospitality Industry (3)

WRK300HM - Occupational Work Experience for Hospitality Management (5)

Elective (Total 3 - 6 credits)

Complete the following number of credits: 3

FDR096 - Healthy Cuisine (3)

NTR015 - Human Nutrition (3)

Program Learning Outcomes

- Demonstrate proficiency in effectively leading a diverse staff to meet and exceed guest expectations of service.
- Clearly communicate and effectively execute the transactional workplace concepts of supervision and management.
- Generate and analyze summary operating documents, and be able to make effective operating decisions based upon such.
- Direct a diverse staff towards meeting the established operational objectives in hospitality organizations.
- Define the concept of "service" and train others to meet and exceed guest expectations, in any hospitality industry environment
- Describe and analyze the interrelationships between menu development, food purchasing, cost control, and be able to make profitable operational decisions based upon said relationships.
- Perform necessary food and labor calculations; profit and loss statement development and analysis; periodic and perpetual inventory summaries and calculations.
- Express significance of the transactional nature of supervision and management, and be able to communicate a clear understanding of common management tenants and terms; effective practices; operational principles and procedures.

Fundamental Food Service Skills: Certificate of Achievement

The Certificate of Achievement in Fundamental Food Service Skills enables students to compete successfully for skilled positions (beyond entry-level) within the food services industry. This sequence of courses provides a solid foundation in fundamental food preparation as well as common operational foodservice practices and in guest services to include COVID impact.

Career/Transfer Opportunities : Career opportunities include the following: preparation cook, front desk agent, sales and marketing associate, associate event planner, lead cook, shift leader, and catering lead.

Program Requirements

Complete the following number of credits: 16

Core Requirements (Total 16 credits)

Complete all of the following

- FDR050 - Introduction to the Hospitality Industry 3
- FDR051A - Basic Food Preparation (3)
- FDR051B - Intermediate Food Preparation (3)
- FDR056 - Sanitation and Safety (2)
- FDR058 - Cost Control for Foodservice Organizations (3)
- WRK300HM - Occupational Work Experience for Hospitality Management (2)

Program Learning Outcomes

- Ensure service optimization as it relates to specific operational task.
- Apply practical knowledge of fundamental food service operations.
- Demonstrate sanitation & safety practices as well as COVID standards as they apply to food service operations.
- Students will gain and apply basic food service hands-on skills as well as learn fundamental food service operational practices.

Hospitality Management: Associate in Science Degree

The Associates in Science degree in Hospitality Management provides the marketable hard and soft skills necessary for rising success in the hospitality industry and its sectors. Graduates will have learned classical and progressive hospitality theory as well as functional hands-on skills required to supervise and coach as a successful manager in this dynamic industry. Career and Transfer Opportunities: Pathway to supervision and management in the commercial food service industry in both front and back of the house operations; resort and lodging management; private and corporate event planning; management and leadership in managed services.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 48

Core Requirements (Total 44 credits)

Complete all of the following

- FDR050 - Introduction to the Hospitality Industry (3)
- FDR051A - Basic Food Preparation (3)
- FDR051B - Intermediate Food Preparation (3)
- FDR053 - Restaurant Operations (7)
- FDR054 - Hotel and Restaurant Accounting (3)
- FDR055 - Procurement for Foodservice Operations (3)
- FDR056 - Sanitation and Safety (2)
- FDR058 - Cost Control for Foodservice Organizations (3)
- FDR059 - Supervision, Management & Leadership (4)
- FDR060 - Food Service Facilities Planning (3)
- FDR075 - Menu Planning (2)
- FDR076 - Sales and Marketing in the Hospitality Industry (3)
- WRK300HM - Occupational Work Experience for Hospitality Management 5

Electives (Total 4 credits)

Complete the following number of credits: 4

- Complete FDR096 or NTR015
- FDR096 - Healthy Cuisine (3)
- NTR015 - Human Nutrition (3)
- Complete CAP010A or CAP062B
- CAP010A - Learning the Keyboard (1)
- CAP062B - Introduction to Microsoft Excel (1)

Program Learning Outcomes

- Effectively train, motivate, and lead a diverse team toward efficient and effective operational practices through the application of transformational management/leadership concepts.
- Reach sound operational conclusions and decisions based on an "audit trail" analysis of source documentation.
- Use forecasting techniques to translate strategic business objectives and financial documents into effective and efficient daily operational processes.
- Conceptualize the functions of primary departments/work stations within full-service food service, lodging and other hospitality operations.
- Demonstrate the ability to lead a diverse work crew in the cost effective execution of a food service and/or hospitality environment.
- Perform necessary product and labor cost calculations, profit and loss statement development and analysis, periodic and perpetual inventory calculations and summaries; and be able to derive effective operational conclusions from the aforementioned data.



Creative Arts and Communication

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Gillmor Center (GC), Room 337H
(408) 855-5247

Administrative Specialist: Thuy Foot
Gillmor Center (GC), Room 337
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Within the Creative Arts & Communication, faculty and students engage in the exploration of human emotions, ideas, and perspectives. With a focus on fostering creativity, visual storytelling, and effective communication, you'll be empowered to become a skilled artist, designer, writer, and communicator. By embracing creativity and communication, learn to captivate audiences, convey powerful messages, and contribute to the cultural fabric of society.

ART

Art: Associate in Arts Degree

The Associate in Arts in Art is designed to provide students with a comprehensive foundation in the areas of drawing, painting, design, digital art, and art history. Students acquire the necessary skills and experience to demonstrate an extensive understanding of materials, technique, philosophy, and aesthetics in the creative process.

Career/Transfer Opportunities: The Associate in Arts transfers to most four-year institutions. Career opportunities include the following: education/teaching, studio artist, arts administration, commercial art, digital artist, designer, museum/gallery professional, and art conservator. To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 21

Core Requirements (Total 18 credits)

Complete all of the following

Core Requirements: Art History (Total 6 credits)

Complete the following number of credits: 6

- ART001A - Survey of Western Art I (3)
- ART001B - Survey of Western Art II (3)
- ART001D - Art of the 20th Century (3)

Core Requirements: Drawing (Total 6 credits)

Complete the following number of credits: 6

- ART031A - Beginning Drawing (3)
- ART031B - Intermediate Drawing (3)
- ART035A - Life Drawing: Introduction (3)

Core Requirements: Design (Total 6 credits)

Complete the following number of credits: 6

- ART033A - Basic Design: Two-Dimensional (3)
- ART033B - Basic Design: Three-Dimensional (3)
- ART033C - Basic Design: Color (3)

Electives (Total 3 credits)

Complete 3 units, not previously taken, from the following:

- ART033A - Basic Design: Two-Dimensional (3)
- ART033B - Basic Design: Three-Dimensional (3)
- ART033C - Basic Design: Color (3)
- ART034A - Introduction to Digital Art (3)
- ART034B - Advanced Digital Art (3)
- ART035A - Life Drawing: Introduction (3)
- ART035B - Life Drawing: Beginning (3)
- ART039A - Survey of Printmaking (3)
- ART047A - Watercolor: Introduction (3)
- ART047B - Watercolor: Beginning (3)
- ART048A - Airbrush Painting: Introduction (3)
- ART048B - Airbrush Painting: Beginning (3)
- ART049A - Painting: Introduction (3)
- ART049B - Painting: Beginning (3)
- ART065A - Ceramics-Handbuilding: Introduction (3)
- ART065B - Ceramics-Handbuilding: Beginning (3)
- ART067A - Ceramics-Potter's Wheel: Introduction (3)
- ART067B - Ceramics-Potter's Wheel: Beginning (3)
- ART075A - Metalsmithing: Introduction (3)
- ART075B - Metalsmithing: Beginning (3)
- ART085A - Sculpture: Introduction (3)
- ART085B - Sculpture: Beginning (3)
- ART088A - Metal Sculpture Casting: Introduction (3)
- ART088B - Metal Sculpture Casting: Beginning (3)

Program Outcomes

- Create and critique works of art in a supportive environment using traditional and new art media according to established principles of art and design, and communicate about art and design related topics.
- Develop a vision to devise innovative solutions to creative and technical problems.
- Compile a portfolio of work which demonstrates technical mastery, creativity, solving problems with original solutions.
- Analyze, compare and contrast, and trace the development of art forms from different parts of the world from ancient to modern times.

Art History: Associate in Arts Degree for Transfer

The Associate in Arts in Art History for Transfer (AA-T in Art History) is designed to provide a clear pathway to a CSU institution for students who plan to transfer and complete a CSU major or baccalaureate degree in Art History. California Community College students who are awarded an Associate in Arts in Art History for Transfer (AA-T in Art History) are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU institution or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or institutions. The Associate in Arts in Art History for Transfer provide students the basics of art historical analysis, and completion of the program enhances students' reading, writing, and critical thinking skills.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 9 credits)

Complete all of the following

- ART001A - Survey of Western Art I (3)
- ART001B - Survey of Western Art II (3)
- ART031A - Beginning Drawing (3)

List A (Total 3 credits)

- Complete all of the following
- ART007 - Survey of Asian Art (3)

List B (Total 3 credits)

- Complete the following number of credits: (3)
- ART033A - Basic Design: Two-Dimensional (3)
 - ART033B - Basic Design Three-Dimensional (3)
 - ART034A - Introduction to Digital Art (3)
 - ART035A - Life Drawing (3)
 - ART065A - Ceramics-Handbuilding: Introduction (3)
 - ART085A - Sculpture: Introduction (3)

List C (Total 3 credits)

- Complete the following number of credits: 3
- Any course from List A or B not already used or*
 - Any CSU GE Area D course (3)
 - Any IGETC Area 4 course (3)
 - Any Art or Humanities course approved for CSU GE Area C1 (3)
 - Any Art or Humanities course approved for IGTC Area 3A (3)
 - Any course in a language other than English, Art, History, Humanities, or Philosophy approved for CSU GE Area C2 (3)
 - Any course in a language other than English, Art, History, Humanities, or Philosophy approved for IGETC Area 3B (3)

Program Outcomes

- Students will identify major monuments and styles in art and architecture from ancient through modern times.
- Students will use critical thinking to analyze and compare and contrast world cultures and belief systems through a study of anthropology, philosophy, history, languages, and/or the humanities.
- Students will analyze, compare, and contrast works of art according to subject matter, symbolism, style, and artistic influences.
- Students will identify the various media and techniques associated with the creation of art and architecture.

Creative Arts: Associate in Arts Degree

The Associate in Arts in Creative Arts is designed for students who seek a broad background in the visual and performing arts, such as drawing, painting, singing, instrumental performance, creative writing, dancing, and oral interpretation.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete all of the following

Complete 6 units from Creative Arts courses in which the student participates in the arts, such as drawing, painting, singing, instrumental performance, creative writing, dancing, and oral interpretation.

**Work with a counselor for specific course selections 6*



Core Requirements (Total 15 credits)

Complete all of the following

Art (Total 3 credits)

Complete the following number of credits: (3)

ART001A - Survey of Western Art I (3)

ART001B - Survey of Western Art II (3)

ART004 - Art Appreciation (3)

English (Total 3 credits)

Complete all of the following

ENG006B - Survey of World Literature (3)

Humanities (Total 3 credits)

Complete the following number of credits: (3)

HUM015 - Introduction to Film Analysis (3)

HUM018 - African American Culture and H (3)

HUM018H - African American Culture and H (3)

Music (Total 6 credits)

Complete all of the following

MUS005 - Fundamentals of Music Theory (3)

MUS010 - Music Appreciation (3)

Program Outcomes

- Students will create and critique works of art in a supportive environment using traditional and new art media according to established principles of art and design. Students will be able to communicate orally and in writing about art and design related topics.
- Students will use critical thinking to analyze, compare and contrast world cultures and belief systems through a study of anthropology, philosophy, history, languages, and/or the humanities.
- Students will develop critical thinking skills as they analyze, compare and contrast, and trace the development of art forms from different parts of the world, from ancient to modern times.

Studio Arts: Associate in Arts Degree for Transfer

The Associate in Arts in Studio Arts for Transfer (AA-T in Studio Arts) is designed to provide a clear pathway to a CSU institution for students who plan to transfer and complete a CSU major or baccalaureate degree in Studio Arts. California Community College students who are awarded an Associate in Arts in Studio Arts for Transfer (AA-T in Studio Arts) are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU institution or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or institutions. The combination of a liberal arts background with studio arts proficiency skills and practical experience will help students investigate and integrate their knowledge and perspectives in modern technologically changing world and will give them the background needed for careers in the visual arts, design, and related fields. Students who complete this program successfully will be able to demonstrate an understanding of the formal principles and elements of art making. Students will learn skills through the use of tools, techniques, theoretical, and historical aspects of visual art, culture, and critical analysis.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 24

Core Requirements (Total 12 credits)

Complete the following number of credits: 12

ART001B - Survey of Western Art II (3)

ART031A - Drawing (3)

ART033B - Basic Design:3-D (3)

ART033A - Basic Design:2-Dime (3)

List A (Total 3 credits)

Complete the following number of credits: 3

ART001A - Survey of Western Art I (3)

ART001D - Art of the 20th Century (3)

ART007 - Survey of Asian Art (3)

List B (Total 9 credits)

Complete the following number of credits: 9

Complete ART 035A or ART 031B

ART035A - Life Drawing (3)

ART031B - Intermediate Drawing (3)

Complete ART 065A or ART 067A

ART065A - Ceramics-Handbuilding: Introduction (3)

ART067A - Ceramics-Potter's Wheel: Introduction (3)

Complete any of the following

ART034A - Intro Digital Art (3)

ART033C - Basic Design: Color (3)

ART035B - Life Drawing (3)

ART039A - Survey Printmaking (3)

ART049A - Painting (3)

ART049B - Painting (3)

ART065B - Ceramics-Handbuilding:Beginning (3)

ART067B - Ceramics-Potter's Wheel:Beginning (3)

ART075A - Metalsmithing (3)

ART078A - Furniture Design and Woodworking (3)

ART085A - Sculpture: Introduction (3)

ART085B - Sculpture: Beginning (3)

ART088A - Metal Sculpture Casting: Introduction (3)

GDS073 - Digital Photography (3)

Program Outcomes

- Critically analyze and assess diverse historical and contemporary works of art, architecture, and design.
- Create art that engages and builds on historical and contemporary practices, theories, and materials.
- Translate concepts and visual experience into images or tactile forms.

Three-Dimensional Arts: Certificate of Achievement

The Certificate of Achievement in Three-Dimensional Arts is designed to direct students who seek to concentrate in the arts with a focus on three-dimensional applications, which include design, sculpture, ceramics, metalsmithing, and metal sculpture casting.

Career/Transfer Opportunities: Career opportunities include the following: education/teaching, furniture designer, jewelry design, museum/gallery professional, and arts administrator.

Program Requirements

Complete the following number of credits: 15

Core Requirements (Total 15 credits)

Complete the following number of credits: 15

- ART033B - Basic Design: Three-Dimensional (3)
- ART065A - Ceramics-Handbuilding: Introduction (3)
- ART065B - Ceramics-Handbuilding: Beginning (3)
- ART067A - Ceramics-Potter's Wheel: Introduction (3)
- ART067B - Ceramics-Potter's Wheel: Beginning (3)
- ART075A - Metalsmithing: Introduction (3)
- ART075B - Metalsmithing: Beginning (3)
- ART085A - Sculpture: Introduction (3)
- ART085B - Sculpture: Beginning (3)
- ART088A - Metal Sculpture Casting: Introduction (3)
- ART088B - Metal Sculpture Casting: Beginning (3)

Program Outcomes

- Create and critique works of three-dimensional art in a supportive environment using traditional and new art media according to established principles of art and design, and communicate art and design related topics.
- Develop a vision to devise innovative solutions to creative and technical problems.
- Compile a portfolio of three-dimensional artwork to demonstrate technical mastery, creativity, and solving problems with original solutions.
- Analyze, compare and contrast, and trace the development of art forms from different parts of the world, from ancient to modern times.

COMMUNICATION STUDIES

Communication Studies 2.0: Associate in Arts Degree for Transfer

The Associate in Arts in Communication Studies 2.0 for Transfer degree (AA-T in Communication Studies 2.0) is a 60-unit program which provides students with the lower division coursework required for seamless transfer to a CSU institution for the major in Communications Studies. The program offers students the opportunity to apply theories, concepts, and practical techniques to build the confidence necessary to elevate their voices and create more meaningful personal, academic, and professional relationships. The curriculum is applicable to students' everyday lives and is offered in welcoming and inclusive learning environments. The goals of the program are to encourage students to discover how to listen intentionally, think critically, and speak passionately.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 6 credits)

Complete the following number of credits: 6

Complete COM001 or COM001H

COM001 - Introduction to Public Speaking (3)

COM001H - Introduction to Public Speaking - Honors (3)

COM008 - Improving Communication in Interpersonal Relationships (3)

List A (Total 9 credits)

Complete the following number of credits: 9

Complete COM020 or COM020H

COM020 - Argumentation, Advocacy, and Debate (3)

COM020H - Argumentation, Advocacy, and Debate - Honors (3)

COM012 - Intercultural Communication (3)

COM014 - Teamwork and Leadership in Small Groups (3)

POL001 - American Government (3)

List B (Total 3 credits)

Complete the following number of credits: 3

Any List A course not already used or

ANT003 - Cultural Anthropology (3)

COM015 - Fundamentals of Human Communication in Professional and Career Contexts (3)

ENG001B - English Composition and Literature (3)

ENG001C - Clear Thinking in Writing (3)

PSY001 - General Psychology (3)

PSY001H - General Psychology - Honors (3)

SOC001 - Introduction to Sociology (3)

SOC001H - Introduction to Sociology - Honors (3)

Program Outcomes

- Create and implement effective communication strategies to orally deliver a message appropriate to the context.
- Identify, analyze, and evaluate their own verbal and nonverbal messages as well as those of others in a variety of contexts.
- Identify, explain, and apply theories about the communication process as they relate to a variety of audiences and contexts.
- Research, analyze, and critically evaluate reference material to support the development of communication competence.



Communication Studies: Certificate of Achievement

The Certificate of Achievement in Communication Studies is designed for students who successfully complete nine or more units of Communication Studies coursework at Mission College. Students will receive a certificate signed by the college president that they may attach to letters and/or applications informing future employers, admissions offices to colleges, graduate schools, and professional institutions that they received specialized training in communication skills. Students will also see this certificate of achievement noted on their transcript. The importance of interpersonal and intercultural communication, small group and team skills, and public speaking training cannot be emphasized enough in providing the fundamental skills for successful personal and professional activities. This nine-unit Communication Certificate of Achievement will not only enhance students' chances of being selected for a job or position they seek, it may also open doors to them both professionally and personally. These skills will increase students' self-understanding, their ability to communicate with other people, and provide the necessary knowledge to build bridges with other people.

Career/Transfer Opportunities: A degree in Communication Studies is universally applicable across all organizations and industries. Some common career paths include broadcasting, consumer affairs, public relations, advertising, education, marketing, government, human resources, law, community/international affairs, politics negotiations, journalism, customer service, recreation, management, and recruiting.

This certificate program can be completed fully online

Program Requirements

Complete the following number of credits: 9

Core Requirements (Total 9 credits)

Complete the following number of credits: 9

- Complete COM001 or COM001H
- COM001 - Introduction to Public Speaking (3)
- COM001H - Introduction to Public Speaking - Honors (3)
- COM008 - Interpersonal Communication (3)
- COM012 - Intercultural Communication (3)
- COM014 - Teamwork and Leadership in Small Groups (3)
- COM015 - Fundamentals of Human Communication in Professional and Career Contexts (3)

Complete COM020 or COM020H

- COM020 - Argumentation, Advocacy, and Debate (3)
- COM020H - Argumentation, Advocacy, and Debate - Honors (3)
- COM080 - Interviewing Skills (1)
- COM090A - Selected Topics & Activities In Communication-Series 1 (1)

Program Outcomes

- Students will identify, explain, and apply theories about the communication process as they relate to a variety of audiences and contexts.
- Students will create and implement effective communication strategies to orally deliver a message appropriate to the context.
- Students will identify, analyze, and evaluate their own verbal and nonverbal messages as well as those of others in a variety of contexts.
- Students will research, analyze, and critically evaluate reference material to support the development of communication competence.

ENGLISH

English: Associate in Arts for Transfer

The Associate in Arts in English for Transfer (AA-T in English) is designed to provide a clear pathway to a CSU institution for students who plan to transfer and complete a CSU major or baccalaureate degree in English. California Community College students who are awarded an Associate in Arts in English for Transfer (AA-T in English) are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU institution or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or institutions. The Associate in Arts in English for Transfer (AA-T in English) provides students with a strong foundation in critical reading, writing, and thinking as well as literary analysis and research methods. Students majoring in English enroll in survey courses, which expose them to a wide range of types and styles of literature; courses in literature from many cultures and eras; and courses in special topics such as film and creative writing. Upon completion of the Associate in Arts in English for Transfer (AA-T in English), students will possess the knowledge and skills required for upper-division coursework in English. In addition, students will have gained preparation for careers in fields such as law, government, business, entertainment, advertising, public relations, writing, editing, and education.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 6 credits)

- Complete the following number of credits: 6
- ENG001B - English Composition and Literature (3)
 - ENG001C - Clear Thinking in Writing (3)

List A (Total 6 credits)

- Complete the following number of credits: 6
- ENG005A - English Literature through the 18th Century (3)
 - ENG005B - English Literature from the 19th Century to Present (3)
 - ENG006B - Survey of World Literature (3)
 - ENG007A - American Literature to 1865 (3)
 - ENG007B - American Literature 1865 to Present (3)

List B (Total 3 credits)

- Complete the following number of credits: 3
- Any List A course not already used or*
- ENG015 - Introduction to Film Analysis (3)
 - ENG048 - Introduction to Shakespeare (3)
 - ENG070 - Creative Writing (3)

List C (Total 3 credits)

- Complete the following number of credits: 3
- Any List A or List B course not already used or*
- BUS078B - Business Communications (3)
 - ENG013 - Latina/o Literature (3)
 - ENG043 - Classical Mythology (3)

- HUM001A - Human Values in and From the Arts (3)
- HUM001B - Human Values in and From the Arts (3)
- JPN001 - First Semester Japanese (5)
- JPN002 - Second Semester Japanese (5)
- SPA001 - First Semester Spanish (Elementary Level) (5)
- SPA002 - Second Semester Spanish (Elementary Level) (5)
- SPA003 - Third Semester Spanish (5)
- SPA004 - Fourth Semester Spanish (Intermediate Level) (5)
- SPA050A - Basic Conversational Spanish & Culture (3)
- SPA050B - Basic Conversational Spanish & Culture (3)
- VIE001 - First Semester Vietnamese (5)
- VIE002 - Second Semester Vietnamese (5)

Program Outcomes

- Students will write focused organized, well-developed essays that support clear thesis statements and demonstrate competence in Standard English grammar and usage.
- Students will demonstrate critical thinking skills by analyzing and evaluating academic essays and literature.
- Students will formulate and clearly communicate their positions on diverse issues.
- Students will write a research paper that demonstrates the effective evaluation, integration, and documentation of sources.
- Explain how multicultural/global perspectives may influence the analysis of a written work

GRAPHIC DESIGN AND MULTIMEDIA

Advanced Virtual Production: Certificate of Achievement

The Advanced Virtual Production Certificate of Achievement, presented in collaboration with the Regional Virtual Production Academy (RPVA), is designed to equip students with the essential skills for pursuing entry-level careers in virtual production. Within this program, students will focus on a specific segment of the production pipeline and apply a comprehensive set of skills encompassing film production, computer graphics, visual effects, and game engines within real-time processes. Students are afforded the flexibility to choose courses from participating colleges in order to fulfill the requirements for this certificate. Completion of Virtual Production Fundamental Certificate is recommended for the Advanced Virtual Production Certificate of Achievement or have prior learning/experience.



Program Requirements

Complete all of the following

Core Requirements (Total 11 - 14 credits)

Complete all of the following

- CIS007 - Python Programming (4)
- Virtual Production B / Intermediate Virtual Production* - MEDIA 044B (Laney College) or DAID 150 (Ohlone College) (3)
- Scripting for games / Intro to blueprinting etc.* - MM/An 041A (Berkeley City College) or DAID 142 (Ohlone College) or CS 42 (Santa Rosa Junior College) (3)
- Studio practice (1 unit) or internship (1-3 units) or portfolio (1-4 units)* - MM/AN 055A, MM/AN 050, MMART 468 (Berkeley City College), ARTDM 295 or FTVE 295 (Diablo Valley College), MEDIA 129, Portfolio (Laney College), DAID 160 (Ohlone College), GD 60 (Santa Rosa Junior College) (1 - 4)

Complete one Specialization Area

Specialization: Animation (Total 15 credits)

Complete all of the following

- GDS081 - Motion Graphics (3)
- GDS043A - 3D Game Character Animation (3)
- 2D Animation* - MM/AN 03A (Berkeley City College), Berkeley City College (Diablo Valley College), GRART 150 (Laney College), or DAID 115 (Ohlone College) (3)
- Motion capture / performance animation* - MM/AN 024 (Berkeley City College), ARTDM 241 (Diablo Valley College), MEDIA 044D (Laney College), or DAID 143 (Ohlone College) (3)
- Layout and Lighting* - MM/AN 022A (Berkeley City College), MEDIA 044C (Laney College), or DAID 141 (Ohlone College) (3)

Specialization: Film Production (Total 15 credits)

Complete all of the following

- GDS081 - Motion Graphics (3)
- GDS074 - Digital Video Production 1 (3)
- Intermediate film production* - MM/VI 009C (Berkeley City College), FTVE 161 (Diablo Valley College), MEDIA 120 (Laney College), or MEDIA 21 (Santa Rosa Junior College) (3)
- Cinematography* - MM/VI 009B (Berkeley City College), MEDIA 139 (Laney College), (3)
- Intro to studio production* - FTVE 120 (Diablo Valley College), MEDIA 108 (Laney College), or MEDIA 19 (Santa Rosa Junior College) (3)

Specialization: Modeling (Total 15 credits)

Complete all of the following

- GDS039A - 3D Animation and Modeling (3)
- Intermediate/Advanced 3D modeling* - MM/AN 023 (Berkeley City College), or DAID 126 (Ohlone College) (3)
- Rigging* - MM/AN 023 (Berkeley City College), or DAID 140 (Ohlone College) (3)
- Texturing* - MM/AN 030 (Berkeley City College), or DAID 123 (Ohlone College) (3)
- Digital Sculpting* - DAID 124 (Ohlone College) (3)

Program Outcomes

- Evaluate and apply toolsets virtual production specializations
- Create a portfolio demonstrating knowledge of real-time production
- Demonstrate enhanced collaborative skills and the ability to engage in effective teamwork in a production environment

Computer Graphics: Certificate of Completion (Noncredit)

The Computer Graphics Noncredit Program is a series of three courses that provides students with beginning-level creative computer graphics skills. Example topics include sourcing images for projects, manipulating images (e.g. crop, resize, retouch, export) and creating original graphics. Basic principles of art, illustration and graphic design are explored. Projects are designed to help students develop good communication and organizational skills. Upon completing the program students will have a set of technical skills, an understanding of creative project management and professional-quality case studies useful for applying to jobs. This program is designed to prepare candidates for entry-level employment opportunities and career advancement. No prior experience is required. Career Options: Though this certificate is designed as a standalone program it is also an excellent stepping stone for students to advance towards completing other degrees and certificates, e.g. Graphic Design, Web Design, User Experience Design, Game Design, and Fine Art.

Program Requirements

Complete all of the following

- GDS862 - Digital Illustration with Adobe Illustrator
- GDS864 - Introduction to Adobe Photoshop
- GDS884 - Portfolio Production Studio

Program Outcomes

- Create original illustrations using vector, bitmap, and 3D software.
- Design photo-based compositions, applying the principles of art and design.
- Critique visual compositions, applying principles of constructive criticism to analyze and evaluate creative solutions.

Digital Illustration: Certificate of Achievement

The Certificate of Achievement in "Digital Illustration" is designed to provide the necessary creative and technical skills for students interested in the field of digital illustration. Students in the program will develop an ability to conceptualize, create and critique various graphic solutions. They will build a strong technical background and an ability to work with industry-standard vector, bitmap and 3D graphic software. Graduates will leave the program with an understanding of available career pathways as well as the skills, experience and portfolio necessary to enter the workforce. The program prepares students to work as self-employed independent contractors, fine artists, or within a company, e.g. as graphic artists, technical illustrators and graphic designers. Though this certificate is designed as a standalone program it is also an excellent complement to other related programs including Graphic Design, Web Design, User Experience Design, Game Design, and Fine Art. The program is designed so that students completing the program will have the technical skills, creative skills, and communication skills required for a career in digital illustration.



Career/Transfer Opportunities: This program will prepare creative individuals with many career opportunities related to Art, Design, Illustration, Multimedia and Animation. Some specific examples of related job titles: Artist (graphic artist, technical artist, commercial artist, production artist, fine artist etc.) Illustrator (technical illustrator, commercial illustrator, graphic illustrator, etc.) Designers (graphic designer, multimedia designer, animation designer, etc.) The program is also designed to complement other existing programs, such as the Graphic Design, Web Design, User Experience Design and Fine Art. Students in these related programs will greatly benefit from building these complementary digital illustration skills.

Program Requirements

Complete the following number of credits: 24

Core Requirements (Total 24 credits)

Complete all of the following

- ART031A - Beginning Drawing (3)
- ART033A - Basic Design: Two-Dimensional (3)
- GDS032 - Digital Drawing (3)
- GDS062 - Digital Illustration with Adobe Illustrator (3)
- GDS064 - Introduction to Adobe Photoshop (3)
- GDS069 - 3D for Designers and Illustrators (3)
- GDS084 - Portfolio Production Studio (3)
- GDS085 - Professional Portfolio and Design Career Preparation (3)

Program Outcomes

- Students apply technical illustration skills, using vector, bitmap, and 3D software, to solve creative problems.
- Students design visual compositions, using the principles of art and design.
- Students demonstrate, orally and in writing, the principles of constructive criticism to analyze and evaluate creative solutions.

Digital Media Marketing: Certificate of Achievement

This new interdisciplinary Program at Mission College combines courses from the Business Department and the Graphic Design and Multimedia Department. The pairing provides unique training for students interested in modern digital marketing principles and strategies, as well as skills related to the production of digital marketing materials. This Program is valuable to small business owners and entrepreneurs who want to leverage current marketing channels and tools.

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 15 credits)

Complete all of the following

- BUS022 - Principles of E-Business (3)
- BUS023 - Social Media Marketing (3)
- BUS056A - Marketing Principles (3)
- GDS022 - Digital Media for Marketing (3)
- GDS055A - Design Agency and Branding (3)

Elective (Total 3 credits)

Complete the following number of credits: (3)

- BUS084 - Internet Marketing (3)
- GDS035 - Graphic Design I (3)

GDS056 - Presentation Design (3)
 GDS061 - Page Layout (3)
 GDS062 - Digital Illustration with Adobe Illustrator (3)
 GDS064 - Introduction to Adobe Photoshop (3)
 GDS067 - Graphic Design II (3)
 GDS070 - User Experience, Interface, and Multimedia Design (3)
 GDS072 - Digital Imaging and User Interface Design (3)
 GDS073 - Digital Photography (3)
 GDS074 - Digital Video Production 1 (3)
 GDS084 - Portfolio Production Studio (3)

Program Outcomes

- Conduct market research and apply marketing concepts to business cases.
- Develop a comprehensive Internet marketing plan that includes the 4P strategies of marketing: price, product, place, promotion.
- Determine the essential elements of different creative approaches to the design, layout and production of communication materials and media.
- Students will plan and execute the development of digital marketing materials appropriate to the delivery platform and marketing plan.

Graphic Design: Associate in Science

The Associate of Science in Graphic Design provides opportunities for the student to develop fluency in contemporary graphic design issues and techniques. The emphasis of the program is on increasing the students creative problem-solving abilities along with an introduction to design techniques and principles to provide the basic skills necessary to enter many growing, professional fields. The student also learns software skills used in the production of graphic design deliverables for clients. Opportunities exist in advertising, print publishing, web publishing, mobile and desktop application design, and corporate communication. The classes in the Core Requirements should be taken in the general order that they are listed.

Career/Transfer Opportunities: Career opportunities include the following: graphic design, commercial art production, packaging design, visual design, interaction design, interface design, advertising, print design, web production, mobile design, marketing communication, display design, brand identity, logo design, and photo editing.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 33

Core Requirements (Total 30 credits)

Complete the following number of credits: 30

Complete All of the Following (Total 33)
 Complete all of the following
 GDS035 - Graphic Design I (3)
 GDS045 - Web Design and Development 1 (3)
 GDS055A - Design Agency and Branding (3)

GDS061 - Page Layout (3)
 GDS062 - Digital Illustration with Adobe Illustrator (3)
 GDS064 - Introduction to Adobe Photoshop (3)
 GDS065 - Typography (3)
 GDS070 - User Experience, Interface, and Multimedia Design (3)
 GDS085 - Professional Portfolio and Design Career Preparation (3)
Complete GDS067 or GDS084
 GDS067 - Graphic Design II (3)
 GDS084 - Portfolio Production Studio (3)

Electives (Total 3 credits)

Complete the following number of credits: (3)

ART031A - Beginning Drawing (3)
 ART031B - Intermediate Drawing (3)
 ART033A - Basic Design: Two-Dimensional (3)
 ART033B - Basic Design: Three-Dimensional (3)
 ART034A - Introduction to Digital Art (3)
 GDS011 - The History of Modern Design (3)
 GDS012 - History of Photography (3)
 GDS015 - Photo-media and Social Change (3)
 GDS022 - Digital Media for Marketing (3)
 GDS032 - Digital Drawing (3)
 GDS039A - 3D Animation and Modeling (3)
 GDS046 - Web Design and Development 2 (3)
 GDS047 - Web Animation (3)
 GDS056 - Presentation Design (3)
 GDS067 - Graphic Design II (3)
 GDS069 - 3D for Designers and Illustrators (3)
 GDS072 - Digital Imaging and User Interface Design (3)
 GDS073 - Digital Photography (3)
 GDS074 - Digital Video Production 1 (3)
 GDS076 - Emerging Trends in Interaction Design (3)
 GDS077 - Interactive Projects & Explorations in UXD (3)
 GDS080 - Packaging Design (3)
 GDS081 - Motion Graphics (3)
 GDS084 - Portfolio Production Studio (3)

Program Outcomes

- Students will be proficient in creating graphic design deliverables.
- Students will be proficient in current software packages used in graphic design production.
- Students will produce communication materials for clients that are appropriate and effective.
- Students will demonstrate basic proficiency in creating graphic design deliverables.
- Students will demonstrate proficiency in current software packages used in graphic design production.
- Students will demonstrate the ability to produce communication materials for clients that are appropriate and effective.

Graphic Design: Certificate of Achievement

The Certificate of Achievement in Graphic Design provides opportunities for the student to develop fluency in contemporary graphic design issues and techniques. The emphasis of the program is on increasing the students creative problem-solving abilities along with an introduction to design techniques and principles to provide the basic skills necessary to enter many growing, professional fields. The student also learns software skills used in the production of graphic design deliverables for clients. Opportunities exist in advertising, print publishing, web publishing, mobile and desktop application design, and corporate communication. The classes in the Core Requirements should be taken in the general order that they are listed.

Career/Transfer Opportunities: Career opportunities include the following: graphic design, commercial art production, packaging design, visual design, interaction design, interface design, advertising, print design, web production, mobile design, marketing communication, display design, brand identity, logo design, and photo editing.

Program Requirements

Complete the following number of credits: 33

Core Requirements (Total 33 credits)

Complete all of the following

- GDS035 - Graphic Design I (3)
- GDS045 - Web Design and Development 1 (3)
- GDS055A - Design Agency and Branding (3)
- GDS061 - Page Layout (3)
- GDS062 - Digital Illustration with Adobe Illustrator (3)
- GDS064 - Introduction to Adobe Photoshop (3)
- GDS065 - Typography (3)
- GDS070 - User Experience, Interface, and Multimedia Design (3)
- GDS085 - Professional Portfolio and Design Career Preparation (3)
- Complete GDS 067 or GDS 084*
- GDS067 - Graphic Design II (3)
- GDS084 - Portfolio Production Studio (3)

Elective (Total 3 credits)

Complete the following number of credits: 3

- ART031A - Beginning Drawing (3)
- ART031B - Intermediate Drawing (3)
- ART033A - Basic Design: Two-Dimensional (3)
- ART033B - Basic Design: Three-Dimensional (3)
- ART034A - Introduction to Digital Art (3)
- GDS011 - The History of Modern Design (3)
- GDS012 - History of Photography (3)
- GDS015 - Photo-media and Social Change (3)
- GDS022 - Digital Media for Marketing (3)
- GDS032 - Digital Drawing (3)
- GDS039A - 3D Animation and Modeling (3)
- GDS046 - Web Design and Development 2 (3)
- GDS047 - Web Animation (3)
- GDS056 - Presentation Design (3)
- GDS067 - Graphic Design II (3)
- GDS069 - 3D for Designers and Illustrators (3)
- GDS072 - Digital Imaging and User Interface Design (3)

- GDS073 - Digital Photography (3)
- GDS074 - Digital Video Production 1 (3)
- GDS076 - Emerging Trends in Interaction Design (3)
- GDS077 - Interactive Projects & Explorations in UXD (3)
- GDS080 - Packaging Design (3)
- GDS081 - Motion Graphics (3)
- GDS084 - Portfolio Production Studio (3)

Program Outcomes

- Students will be proficient in creating graphic design deliverables.
- Students will be proficient in current software packages used in graphic design production.
- Students will produce communication materials for clients that are appropriate and effective.
- Students will demonstrate basic proficiency in creating graphic design deliverables.
- Students will demonstrate proficiency in current software packages used in graphic design production.
- Students will demonstrate the ability to produce communication materials for clients that are appropriate and effective.

User Experience and Interface Design: Certificate of Achievement

The Certificate of Achievement in User Experience and Interaction Design is intended to provide the necessary basic technical and creative skills for those planning to enter this growing field of user experience, interaction, and/or user interface design. The program will prepare students for positions in web and mobile application and interactive media design fields such as entry level user experience designers, user interface and interaction designers, user researchers, information architects, digital media designers, and content developers. Other examples where students might find employment using their creative problem-solving and UX/IxD design skills might include website design and development, the creation of interactive media such as digital publications, marketing presentation design, interactive learning product design, virtual & augmented reality design, user research and usability testing. By the end of the program students will understand and apply the basic principles of user experience and interaction design as applied to digital media, web, and mobile application design.



Career/Transfer Opportunities: Career opportunities include the following: web design, user experience design, interaction design, interface design, information architecture, visual design, content strategy, and mobile design.

This certificate program can be completed fully online

Program Requirements

Complete the following number of credits:

Core Requirements (Total 12 credits)

Complete all of the following

GDS070 - User Experience, Interface, and Multimedia Design (3)

GDS077 - Interactive Projects & Explora (3)

Complete GDS072 or GDS076

GDS072 - Digital Imaging and User Inter (3)

GDS076 - Emerging Trends in Interaction Design (3)

Electives (Total 9 credits)

Complete the following number of credits: 9

GDS072 - Digital Imaging and User Inter (3)

GDS076 - Emerging Trends in Interaction Design (3)

GDS064 - Introduction to Adobe Photoshop (3)

GDS062 - Digital Illustration with Adobe Illustrator (3)

GDS035 - Graphic Design I (3)

GDS065 - Typography (3)

GDS084 - Portfolio Production Studio (3)

GDS085 - Professional Portfolio and Design Career Preparation (3)

GDS081 - Motion Graphics (3)

GDS047 - Web Animation (3)

GDS049 - WordPress and Content Management Systems (3)

ART031A - Beginning Drawing (3)

ART033A - Basic Design: Two-Dimensional (3)

GDS055A - Design Agency and Branding (3)

GDS011 - The History of Modern Design (3)

GDS061 - Page Layout (3)

Program Outcomes

- Students will be able to identify, explain, and apply advanced User Experience and Interaction Design principles such as universal design, user research, heuristic analysis, personas, information architecture, storyboarding, user task flows, journey maps, prototyping, principles of interface design, and common UI design patterns.
- Students will be able to generate comprehensive documentation related to a UX business strategy and goals, user research, personas, application features and specifications, site and journey maps, storyboards, wireframes and prototypes.
- Students will apply the technical concepts and best practices used in user experience design, interaction design, and interface design to develop designs, assets, and functional prototype(s) for web, mobile, and other applications at an intermediate level.

Video and Motion Graphics: Certificate of Completion (Noncredit)

The noncredit Certificate in Video and Motion Graphics is intended to provide the necessary basic technical and creative skills needed in video production and the creation of motion graphics. The students develop an understanding of video production and post-production in a series of hands-on projects and exercises, and also learn to produce motion graphics and visual effects for video.

Career opportunities include work in Video Production, Image composition, Lighting, Video Post Production, Motion Graphics Production, and Video compositing

Program Requirements

Complete all of the following

GDS874 - Digital Video Production I

GDS881 - Motion Graphics

Complete GDS869 or GDS873

GDS869 - 3D for Designers and Illustrators

GDS873 - Digital Photography

Program Outcomes

- Apply the basic principles of composition while using a video camera to produce video content.
- Edit video and audio using an NLE (non linear editor) to create a coherent video message.
- Create effective motion graphic design deliverables.

Virtual Production Fundamentals: Certificate of Achievement

The Virtual Production Fundamentals Certificate of Achievement, offered as a part of the Regional Virtual Production Academy (RPVA) collaborative, prepares students for entry-level careers in virtual production. Students will apply the skills from film production, computer graphics, digital imaging, visual effects and game engines to the virtual production process. Students may select courses from the participating colleges to complete the certificate.

Career opportunities for completers of this program include (among others) Special Effects Artists and Animators, Producers and Directors, and Camera operators for film, television, and video.

Program Requirements

Complete the following number of credits: 19-23

GDS039A - 3D Animation and Modeling (3)

GDS040 - Game Design I (3)

GDS064 - Introduction to Adobe Photoshop (3)

GDS074 - Digital Video Production 1 (3)

GDS086 - Visual Effects I (3)

GDS087 - Virtual Production I (3)

Complete GDS069 or GDS 081 or WRK300GW

GDS069 - 3D for Designers and Illustrators (3)

GDS081 - Motion Graphics (3)

WRK300GW - General Work Experience

Program Outcomes

- Analyze, describe, and apply the fundamental technology requirements of the virtual production workflow
- Demonstrate proficiency with game engines, 3D computer graphics, visual effects, and film production
- Demonstrate the ability to work as a member of a production team and take responsibility for one's role
- Create a project using the virtual production process

Web Design: Certificate of Achievement

The Certificate of Achievement in Web Design is intended to provide the necessary basic technical and creative skills for those planning to enter this growing field of visual communication. The program will prepare students for positions in the web design field such as entry level web designers, user experience designers, content developers, and information architects. Other examples where students might find employment using their creative problem-solving and design skills might include website development, interaction design, and the creation of interactive media such as digital publications, marketing presentations, or interactive learning products. The students, by the end of the program, are expected to understand and apply the basic principles of visual communication as applied to Interactive and Web Design, along with the basic coding skills and software skills used in web design and related fields. The certificate includes training in basic front-end coding. This program differs from the Web Development Certificate in its emphasis on the design and strategy aspects or web production, whereas the Web Development includes more training on back-end (server-side) coding. The classes in the **Core Requirements** should be taken in the general order that they are listed.

Career/Transfer Opportunities: Career opportunities include the following: web design, user experience design, interaction design, web production, interface design, information architecture, visual design, application design, and mobile design.

Program Requirements

Complete the following number of credits: 24-25

Core Requirements (Total 15 credits)

Complete all of the following

- GDS035 - Graphic Design I (3)
- GDS045 - Web Design and Development 1 (3)
- GDS046 - Web Design and Development 2 (3)
- GDS070 - User Experience, Interface, and Multimedia Design (3)
- GDS072 - Digital Imaging and User Interface Design (3)

Electives (Total 6 credits)

- Complete the following number of credits: 6
- GDS047 - Web Animation (3)
 - GDS049 - WordPress and Content Management Systems (3)
 - GDS051 - Mobile Application and Web Development with Web Standards (3)
 - GDS064 - Introduction to Adobe Photoshop (3)
 - GDS076 - Emerging Trends in Interaction Design (3)
 - GDS077 - Interactive Projects & Explorations in UXD (3)

Electives (Total 3 - 5 credits)

Complete the following number of credits: 3-5

- ART031A - Beginning Drawing (3)
- ART033A - Basic Design: Two-Dimensional (3)
- BUS084 - Internet Marketing (3)

- CAP092A - Introduction to Cloud Technologies and Social Media 2
- GDS012 - History of Photography (3)
- GDS022 - Digital Media for Marketing (3)
- GDS032 - Digital Drawing (3)
- GDS047 - Web Animation (3)
- GDS049 - WordPress and Content Management Systems (3)
- GDS051 - Mobile Application and Web Development with Web Standards (3)
- GDS055A - Design Agency and Branding (3)
- GDS062 - Digital Illustration with Adobe Illustrator (3)
- GDS064 - Introduction to Adobe Photoshop (3)
- GDS069 - 3D for Designers and Illustrators (3)
- GDS073 - Digital Photography (3)
- GDS074 - Digital Video Production 1 (3)
- GDS076 - Emerging Trends in Interaction Design (3)
- GDS077 - Interactive Projects & Explorations in UXD (3)
- GDS085 - Professional Portfolio and Design Career Preparation (3)
- GDS089 - JavaScript 1 (3)

Program Outcomes

- Students will identify, explain and apply design principles such as typography, color and layout to the creation and evaluation of web designs.
- Students will generate documents related to User Experience Design such as wireframes and personas.
- Students will apply basic front end coding skills, technical concepts and best practices used in web design and development at an intermediate level.

Web Development: Certificate of Achievement

Certificate of Achievement: Web Development Businesses, schools, community groups and other organizations all need a presence on the web, and the need for skilled web developers continues with the increasing volume of online content. Web developers are critical to creating and maintaining this online content. This certificate focuses on the scripting and programming used on the web. A web developer may focus on the back end or server-side of web delivery to ensure that a website functions correctly and efficiently, or on the front end helping to create interactions for users.



Career/Transfer Opportunities: Career opportunities include the following: front-end web development, back-end web development, content management, web production, information architecture, application development, and mobile development.

Program Requirements

Complete the following number of credits: 21-22

Core Requirements (Total 12 credits)

Complete all of the following

- GDS045 - Web Design and Development 1 (3)
- GDS046 - Web Design and Development 2 (3)
- GDS089 - JavaScript 1 (3)
- GDS089B - JavaScript II and Web Development (3)

Electives (Total 9 - 10 credits)

Complete the following number of credits: 9-10

- CIS001 - Introduction to Computer Science and Technology (4)
- CIS007 - Python Programming (4)
- CIS008 - Advanced Python Programming (4)
- CIS037A - Introduction to C Programming (4)
- CIS040 - C++ Programming (4)
- CIS043 - Software Development With Java (4)
- CIS044 - Intro to Data Structures Using (4)
- CIS045 - Linux Essentials I (4)
- CIS047 - Linux System Administration (4)
- CIS055 - Database Management Systems I (3)
- CIS056 - Database Management Systems II (3)
- CIS063 - Mobile Apps Programming - Android (4)
- GDS047 - Web Animation (3)
- GDS049 - WordPress and Content Management Systems (3)
- GDS051 - Mobile Application and Web Development with Web Standards (3)

Program Outcomes

- Students will develop front end code for interactive websites using technologies and languages including HTML, CSS, and JavaScript.
- Students will develop front end code for interactive websites using technologies and languages including HTML, CSS, JavaScript and related front-end frameworks.
- Students will be able to identify, explain, and apply current technologies in back end web development such as MySQL, PHP and CMS Systems as applied to the creation of websites.
- Students will identify, explain, and apply current technologies in back end web development such as SQL, CMS Systems, and back-end frameworks as applied to the creation of websites.

MUSIC

Digital Music: Certificate of Achievement

The Digital Music Certificate of Achievement is designed to provide a foundation in digital music production for students with backgrounds in music, music technology, and/or multimedia design. The curriculum is based on recent advancements in the development of digital music systems and their widespread applications in both music and multimedia productions. It also provides students with hands-on experience and a working knowledge of the creative and technical issues surrounding

the production of digital audio content and its application and synchronization with other media such as film, video game design and social media platforms. The certificate prepares students for career opportunities, professional development, and personal enrichment in the fields of digital music production and distribution, multimedia audio design, content for social media platforms, and music/multimedia software design. In addition, students receive information and resources to help them prepare for an entrepreneurial career in a creative field that requires self-motivation, small business acumen, social and networking skills in order to succeed.

Career/Transfer Opportunities Career opportunities include the following: Music Producer, Recording Engineer/Mixer, Assistant Engineer, Production Assistant, Studio Manager/Owner, Sound Technician, Acoustic Consultant, Audio Engineer for Video, Digital Remastering Engineer, Live Sound Engineer, Recording Equipment, Manufacturer's Representative, Music Technology Sales, Customer Service (audio and multimedia related companies), Mastering Engineer (post-production engineer), Interactive and Mixed Media Specialist, Recording Mixer (film and video), Record Company Staff, Recording Room Setup Worker, Studio Designer, Music/Sound Programmer, Sound Designer, DJ/remixer, Audio Developer

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 18 credits)

Complete all of the following

- MUS005 - Fundamentals of Music Theory (3)
- MUS016 - Survey of Rock and Popular Music (3)
- MUS081 - Audio Production I (3)
- MUS080 - MIDI and Music Production I (3)
- MUS082 - MIDI and Music Production II (3)
- MUS083 - Audio Production II (3)

Program Outcomes

- Operate the MIDI (Musical Instrument Digital Instrument) and audio functions of a Digital Audio Workstation (DAW).
- Construct an original piece of music using a DAW while applying music theory and knowledge of various musical genres to the creative process.
- Utilize software and hardware to capture, edit, mix and master audio recordings for commercial use.



People, Culture and Society

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Student Engagement Center (SEC),
Room 246C
(408) 855-5258

Administrative Specialist: Kena Rogers
Student Engagement Center (SEC),
Room 246
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People, Culture, and Society fosters an interdisciplinary approach to understanding human dynamics. Collaborate across these diverse fields to explore the complexities of human societies, cultures, and behaviors. As a student in this area, you'll receive a well-rounded understanding of the multifaceted aspects of human existence in a global context.

ADMINISTRATION OF JUSTICE

Administration of Justice: Associate in Science Degree for Transfer

The Associate in Science in Administration of Justice for Transfer (AS-T in Administration of Justice) is designed to provide a clear pathway to a CSU institution for students who plan to transfer and complete a CSU major or baccalaureate degree in Administration of Justice. (AS-T in Administration of Justice) is an innovative social science program that emphasizes critical thinking about corrections, crime and delinquency, legal studies, and working with diverse communities. This multidisciplinary program explores the connections between law, crime, and justice. The program develops the high level of academic, personal, and professional competence demanded in a wide range of agencies. Students who successfully complete this program meet the lower-division requirements for seamless transfer to a CSU program of study in Corrections, Criminal law, Criminology, and Justice Studies.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18-19

Core Requirements (Total 6 credits)

Complete all of the following

- SOC050 - Introduction to Criminal Justice (3)
- SOC054 - Concepts of Criminal Law (3)

List A (Total 3 credits)

Complete the following number of credits: (3)

- SOC060 - Community and Justice System (3)
- SOC058 - Introduction to Corrections (3)

List B (Total 6 - 8 credits)

Complete the following number of credits: 6-8

- Any List A course not already used or
- MAT010 - Elementary Statistics (4)
- PSY001 - General Psychology (3)
- SOC001 - Introduction to Sociology (3)
- SOC047 - Sociology of Criminology (3)

Program Learning Outcomes

- Students will describe the history, development, structure and function of American police, courts, and correctional institutions.
- Students will apply major criminological theories to the analysis of crime and criminality.
- Students will identify the innovative programs designed for specific Correctional Institutions and describe their impact on the corrections client and society at large.
- Students will identify and explain key issues that pose potential conflict between diverse communities and the courts, police, and corrections.
- Students will critically analyze various components of our system of criminal law.

ANTHROPOLOGY

Anthropology: Associate in Arts Degree for Transfer

The Associate in Arts in Anthropology for Transfer degree will enable students to develop a foundation in qualitative and quantitative scientific methodologies and a comprehensive understanding of human diversity and complexity. Students take classes in three of the discipline's primary subfields: archaeology, cultural anthropology, and physical anthropology. Through these courses, students cultivate strong critical thinking, communication, and problem-solving skills that will prepare them for the requirements of upper-division course work and a baccalaureate degree in anthropology (or a related major). To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" or "P" for each course in the major, and
- Completion of IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18-23

Core Requirements (Total 9 credits)

Complete all of the following

- ANT001 - Biological Anthropology (3)
- ANT002 - Introduction to Archeology (3)
- ANT003 - Cultural Anthropology (3)

List A (Total 3 credits)

Complete the following number of credits: 3

- ANT001 L - Biological Anthropology Laboratory (1)
- LNG001 - Introduction to Language and Linguistics (3)
- HIS017A - History of the United States to 1877 (3)
- HIS017AH - History of the United States to 1877 - Honors (3)
- HIS017B - History of the United States Since 1877 (3)
- HIS017BH - History of the United States since 1877 - Honors (3)
- MAT010 - Elementary Statistics (4)
- MAT010H - Elementary Statistics - Honors (4)
- MAT010X - Elementary Statistics with Additional Support (6)
- SJS001 - Social Justice (3)
- SJS002 - Introduction to Gender Studies (3)
- SOC016 - Introduction to Statistics in Social & Behavioral Sciences (3)

List B (Total 3 - 5 credits)

Complete the following number of credits: 3-5

- Any List A course not already used or*
- PSY015 - Introduction to Research Methods (3)
- PSY015H - Introduction to Research Methods - Honors (3)
- BIO047 - Human Anatomy (5)

List C (Total 3 credits)

Complete the following number of credits: (3)

- Any List A or List B course not already used or*
- CHD013 - Teaching in a Diverse Society (3)
- COM012 - Intercultural Communication (3)
- ENG013 - Latina/o Literature (3)

- ETH013 - Latina/o Literature (3)
- ETH044 - African American History (3)
- ETH044H - African American History - Honors (3)
- HIS031 - History of East Asia (3)
- HIS044 - African American History (3)
- HIS044H - African American History - Honors (3)
- HUM016A - Hispanic Roots & Culture (3)
- HUM018 - African American Culture and Humanities (3)
- HUM018H - African American Culture and Humanities - Honors (3)
- HUM020 - Asian Roots and Culture (3)
- HUM022 - Introduction to Islam (3)
- HUM024 - The Asian-American Experience (3)
- MUS017 - Music of the World (3)
- POL006 - Politics of Race, Class and Gender (3)
- SOC021 - Introduction to Race and Ethnicity (3)

Program Learning Outcomes

- Demonstrate in written or oral work, or lab exercise, knowledge and application of the scientific method, and the development of cultural and biological theory about humans.
- Classify universal shared elements of culture and assess alternative ways that human groups meet needs for stability, reproduction, and social control.
- Identify ethnocentrism (centered in one's own culture) in self and others, and assess the effects of ethnocentrism on cross-cultural relations among individuals, groups, and nations.
- Name, describe, and compare living patterns and world views of several groups in the world today as well as that of their own group.

ECONOMICS

Economics: Associate in Arts Degree for Transfer

The Associate in Arts in Economics for Transfer (AA-T in Economics) is designed to provide a clear pathway to a CSU institution for students who plan to transfer and complete a CSU major or baccalaureate degree in Economics. California Community College students who are awarded an Associate in Arts in Economics for Transfer (AA-T in Economics) are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU institution or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or institutions.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 22-26

Core Requirements (Total 16-17 credits)

Complete the following number of credits: 16-17

ECN001A - Principles of Macroeconomics (4)

ECN001B - Principles of Microeconomics (4)

Complete MAT010 or MAT010H

MAT010 - Elementary Statistics (4)

MAT010H - Elementary Statistics - Honors (4)

Complete MAT012 or MAT003A

MAT012 - Calculus for Business (4)

MAT003A - Analytic Geometry and Calculus I (5)

List A (Total 3 - 5 credits)

Complete the following number of credits: 3-5

ACC001A - Financial Accounting (4)

ACC001B - Managerial Accounting (4)

BUS021 - Introduction to Business Computing (3)

BUS078B - Business Communications (3)

MAT003B - Calculus II (5)

List B (Total 3 - 4 credits)

Complete the following number of credits: 3-4

Any List A course not already used or

ECN006 - The Global Economy (3)

MAT004A - Multivariable Calculus (5)

MAT004C - Linear Algebra (4)

Program Learning Outcomes

- Apply general economic theories and models to describe economic phenomena.
- Analyze and make predictions about the impact of government intervention and changing market conditions on individual markets and the macroeconomy.
- Generate constructive analysis of real world issues by drawing upon relevant data and utilizing suitable economic theories and concepts.

ENGLISH AS A SECOND LANGUAGE

English as a Second Language: Certificate of Proficiency

The Certificate of Proficiency in English as a Second Language serves students who are non-native speakers of English. The program prepares students of all ages and backgrounds who want to improve English to earn a college degree, improve their employment opportunities, and participate in their local communities. The program provides students with the skills needed to achieve their academic, career, and lifelong-learning goals. The certificate is earned upon completion of the advanced level courses in English as a Second Language.

Program Requirements

Complete the following number of credits: 9

Core Requirements (Total 9 credits)

Complete all of the following

ESL970LS - Advanced Listening and Speaking (3)

ESL970RW - Advanced Reading and Writing (6)

Program Learning Outcomes

- Identify and use the grammatical elements of college-level Standard English to write an essay using academic vocabulary.
- Read a novel at the adult level and respond to fictional elements such as character, plot, and theme.
- Write an outline for and answer detailed questions about academic lectures and news broadcasts and summarize lectures and literary and non-literary works.
- Participate in a group discussion using appropriate social and linguistic forms to join an ongoing discussion, add information, disagree, agree, and summarize in both academic and professional settings on a variety of concrete and abstract topics.
- Produce speech which is intelligible and accurately articulated.

Low Beginning ESL: Certificate of Competency (Noncredit)

The program in Low-Beginning ESL offers students the opportunity to gain the English language skills they need for basic communication at home, school, and work. This includes listening, speaking, pronunciation, reading, grammar, writing skills. This program prepares students to enter ESL courses at the high beginning level.

Career/Transfer Opportunities: A familiarity with spoken and written English at the beginning level is required in order to improve employability or to succeed in ESL courses at the beginning level.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

NCE910A - Foundations in ESL I

NCE910B - Foundations in ESL II

Program Learning Outcomes

Students will demonstrate the reading, vocabulary, grammar, writing, listening, and speaking skills necessary to succeed in the beginning level ESL courses.



Beginning ESL: Certificate of Competency (Noncredit)

The goal of the Beginning ESL program is to offer students a variety of learning opportunities to gain proficiency in the English language, and achieve academic, career, and/or personal goals. Students earn this certificate by successfully completing a sequence of two core courses and one of three electives. The program offers two integrated skills core courses focusing on daily spoken and written communication at the beginning level. Elective courses in pronunciation, grammar, and study skills give students the ability to develop specific skills they find personally challenging. This program provides students with a means to prepare for more academic ESL coursework at the high-beginning level.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

NCE920A - Beginning ESL I

NCE920B - Beginning ESL II

Elective

Complete at least one of the following electives

NCE920GW - Beginning Grammar and Writing

NCE920PL - Beginning Pronunciation and Listening

NCE924 - Beginning ESL College Skills

Program Learning Outcomes

- Students will demonstrate the reading, vocabulary, grammar, writing, listening, pronunciation, and speaking skills necessary to succeed in the ESL high-beginning level courses.
- Students will read articles and short stories suitable for the level and will write simple sentences using common vocabulary.

High Beginning ESL: Certificate of Competency (Noncredit)

The High-Beginning English as a Second Language Program equips students with listening, speaking, reading, and writing skills for success in the low-intermediate level of the college's credit ESL program.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

NCE931 - High Beginning ESL Listening

NCE932 - High Beginning Grammar and Writing

NCE933 - High Beginning Reading and Vocabulary

Program Learning Outcomes

- Students will demonstrate the listening, speaking, reading, and writing skills necessary for success in the 940-level ESL program.

Low Intermediate ESL: Certificate of Competency (Noncredit)

The Low-Intermediate English as a Second Language Certificate of Competency provides students with a foundation in the listening, speaking, reading, and writing skills necessary for success in credit ESL courses at the intermediate level. Students completing this program will be able to participate in conversations at a low-intermediate level, write simple and compound sentences and paragraphs about familiar topics, pronounce common words and phrases, and read and understand main ideas and details in short academic texts. The goal of this two-course program is to prepare students with the academic and language skills necessary to succeed in everyday situations in their personal, professional, and academic lives.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

NCE940LS - Low Intermediate Listening and Speaking

NCE940RW - Low Intermediate Reading and Writing

Program Learning Outcomes

- Demonstrate the reading, vocabulary, grammar, writing, listening, pronunciation, and speaking skills necessary to succeed in the ESL intermediate level courses.

Intermediate ESL: Certificate of Competency (Noncredit)

The Intermediate English as a Second Language Program equips students with listening, speaking, reading, writing, and grammar skills needed for success at the high intermediate level of the college's ESL program.

Career/Transfer Opportunities: With the ability to speak and write English at the intermediate level, students can improve their employability, enter the Mission College credit ESL courses, and explore pathways to higher education.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

NCE950LS - Intermediate Listening and Speaking

NCE950RW - Intermediate Reading and Writing

Program Learning Outcomes

- Demonstrate the listening, speaking, reading, writing, and grammar skills necessary for success in the 960-level ESL program.

High Intermediate ESL: Certificate of Completion (Noncredit)

The High Intermediate English as a Second Language Program equips students with listening, speaking, reading, writing, and grammar skills for success in the advanced level of the college's ESL program.

Career/Transfer Opportunities: With the ability to speak and write English at the high intermediate level, students can improve their employability, enter the Mission College credit ESL courses, and explore pathways to higher education.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

NCE960LS - High Intermediate Listening and Speaking

NCE960RW - High Intermediate Reading and Writing

Program Learning Outcomes

- Demonstrate the listening, speaking, reading, writing, and grammar skills necessary for success in the 970-level ESL program.

Advanced ESL: Certificate of Competency (Noncredit)

The Certificate of Completion in Advanced English as a Second Language equips students with language skills needed for success in transfer-level oral and written communication courses in a college setting.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

NCE970LS - Advanced Listening and Speaking

NCE970RW - Advanced Reading and Writing

NCE980 - Effective Writing for Advanced ESL Students

Program Learning Outcomes

- Demonstrate the listening and speaking skills necessary for success in college-level courses taught in English
- Demonstrate the reading and writing skills necessary for success for college-level courses taught in English

ESL Grammar and Editing: Certificate of Competency (Noncredit)

The English as a Second Language Grammar & Editing Program equips students with grammar, writing and editing skills for success at the high intermediate to advanced levels of the college's credit ESL program and other educational pathways.

Career/Transfer Opportunities: With the ability to speak and write English at the high-intermediate to advanced levels, students can improve their employability, enter the Mission College credit ESL courses, and explore pathways to higher education.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

NCE945GE - Intermediate Grammar and Editing

NCE965GE - Advanced Grammar and Editing

Program Learning Outcomes

- Demonstrate grammar, writing and editing skills necessary for success in the 960-970 level credit ESL program.

Preparation for Academic Success in ESL: Certificate of Competency (Noncredit)

The program in Preparation for Academic Success in ESL provides students with a foundation in English language skills related to study skills and college success strategies. Students learn strategies in listening, speaking, reading, writing, and study skills, as well as the computer and technology skills needed to access and succeed in using 21st century course materials.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

NCE924 - Beginning ESL College Skills

NCE934 - Bridge to ESL College Success

Program Learning Outcomes

- Students will demonstrate the English language skills, study skills, college success skills, and the computer skills needed to access 21st century learning materials and to succeed in an academic ESL program at the intermediate level.

English for Child Care: Certificate of Competency (Noncredit)

This program in English for Child Care equips students with essential English language skills they need in order to communicate at the low-intermediate level with and about children. This includes listening, speaking, reading, and writing skills as well as parenting and child care skills.

Career/Transfer Opportunities A familiarity with spoken and written English at the low-intermediate level is required in order to improve employability or to enter into English for Child Development courses.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

NCE920EC - NC ESL for Child Care: Intro

NCE930EC - NC ESL for Child Care: Health and Safety

NCE940EC - NC ESL for Child Care: Ages and Stages

Program Learning Outcomes

- Students will respond adequately to spoken language appropriate for mid-beginning to intermediate level learners and use common vocabulary to communicate about practical topics related to young children and their care.
- Students will read dialogs, stories, and articles suitable for the level and will write simple sentences and paragraphs using language structures common in this context.

English for Child Development: Certificate of Competency (Noncredit)

This program in English for Child Development equips students with essential English language skills to communicate at the high-intermediate level with and about children. Students develop listening, speaking, reading, and writing skills as well as competencies in the areas of parenting and child development.

Career/Transfer Opportunities: A familiarity with spoken and written English at the high-intermediate level is required to improve employability or to succeed in English for Child Development courses.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

- NCE950EC - English for Child Development: Introduction
- NCE955EC - ESL for Child Development: Factors

Elective

Complete at least one of the following rules

- NCE960EC - ESL for Child Development: Domains I
- NCE965EC - ESL for Child Development: Domains I

Program Learning Outcomes

- Students will respond adequately to spoken language appropriate for intermediate level to high intermediate learners and use common and academic vocabulary and structures to listen and speak with and about young children, focusing on their needs and development.
- Students will read and write in English at an intermediate to high-intermediate level to communicate effectively about children's needs and development.

English for Child Development: Certificate of Proficiency

The English for Child Development Certificate of Proficiency equips students with essential English language skills to communicate at the high-intermediate level with and about children. Students develop listening, speaking, reading, and writing skills as well as competencies in the areas of parenting and child development.

Program Requirements

Complete the following number of credits: 9

Core Requirements (Total 6 credits)

Complete all of the following

- ESL950EC - ESL for Child Development: Introduction (3)
- ESL955EC - ESL for Child Development: Factors (3)

Electives (Total 3 credits)

Complete the following number of credits: (3)

- ESL960EC - ESL for Child Development: Domains I (3)
- ESL965EC - ESL for Child Development: Domains II (3)

Program Learning Outcomes

- Respond adequately to spoken language appropriate for Intermediate level to high-intermediate learners and use common and academic vocabulary and structures to listen and speak with and about young children, focusing on their needs and development
- Read and write in English at an intermediate to high-intermediate level to communicate effectively about children's needs and development.

English for Careers in Food Service: Certificate of Competency (Noncredit)

The Certificate of Competency in English for Careers in Food Service Program equips students with a foundation in the English language skills necessary for communication in the food service or culinary industry. Career/Educational Opportunities Students completing this certificate will acquire contextualized listening, speaking, vocabulary, reading, and writing skills at the low intermediate level that will prepare them for the educational and career pathways in the ESL and CTE programs as well as in the food service workplace.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

- NCE930FD - English for Food Preparation
- NCE940FD - English for Food Service

Program Learning Outcomes

- Students will respond adequately to spoken language appropriate for intermediate level learners and use common vocabulary to communicate about topics related to food preparation, workplace safety, and food service.
- Students will read dialogs and short texts suitable for the level and will write simple sentences and paragraphs using language structures common in the food-related context.

HISTORY

History: Associate in Arts Degree for Transfer

The Associate in Arts for Transfer in History (AA-T in History) provides students the opportunity to cultivate a broad perspective on history. The program is designed to stimulate appreciation for, and understanding of historical and cultural trends, and knowledge of key figures and events. The program is also designed to facilitate learning in such a way to allow students to make connections to modern institutions and ideas, patterns of change and progress, and encourage an interest in the 21st century world. Students will also refine their cognitive and analytical faculties through studying historical works, researching historical subjects, and writing using primary and secondary sources. Critical thinking skills and historical understanding through these courses provide a framework for lifelong study in the history and the humanities areas and offers students a breadth of knowledge that could be focused into single discipline degrees as well as applied to an interdisciplinary degree.

Career/Transfer Opportunities: The program is intended for students who are considering transfer but have not decided on a major; students who are required to complete a degree for job promotion; or students who may wish to further their education and are considering a major that is interdisciplinary in focus.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18-20

Core Requirements (Total 6 credits)

Complete the following number of credits: 6

Complete HIS017A or HIS017AH

HIS017A - History of the United States to 1877 (3)

HIS017AH - History of the United States to 1877 - Honors (3)

Complete HIS017B or HIS017BH

HIS017B - History of the United States Since 1877 (3)

HIS017BH - History of the United States since 1877 - Honors (3)

List A (Total 6 credits)

Complete HIS004A or HIS004AH or HIS015 or HIS015H

HIS004A - History of Western Civilization (3)

HIS004AH - History of Western Civilization - Honors (3)

HIS015 - World History to 1500 (3)

HIS015H - World History to 1500 - Honors (3)

Complete HIS004B or HIS004BH or HIS016 or HIS016H

HIS004B - History of Western Civilization (3)

HIS004BH - History of Western Civilization - Honors (3)

HIS016 - World History since 1500 (3)

HIS016H - World History since 1500 - Honors (3)

List B: Select one course from each area (Total 6 credits)

Complete the following number of credits: 6

Area 1: Diversity (Total 3 - 5 credits)

Complete the following number of credits: 3-5

Complete the following number of credits: 3-5

Any List A course not already used or

HIS031 - History of East Asia (3)

HIS033 - Women's Issues Past and Present (3)

HIS033H - Women's Issues Past and Present (3)

HUM001A - Human Values in and From the Arts (3)

HUM001B - Human Values in and From the Arts (3)

HUM016A - Hispanic Roots & Culture (3)

HUM018 - African-American Culture and Humanities (3)

HUM018H - African-American Culture and Humanities - Honors (3)

HUM022 - Introduction to Islam (3)

JPN001 - First Semester Japanese (5)

JPN002 - Second Semester Japanese (5)

SPA001 - First Semester Spanish (Elementary Level) (5)

SPA002 - Second Semester Spanish (Elementary Level) (5)

SPA003 - Third Semester Spanish (Intermediate Level) (5)

SPA004 - Fourth Semester Spanish (Intermediate Level) (5)

SPA050A - Basic Conversational Spanish and Culture (3)

SPA050B - Basic Conversational Spanish and Culture (3)

VIE001 - First Semester Vietnamese (Elementary Level) (5)

VIE002 - Second Semester Vietnamese (5)

VIE049A - Vietnamese for the Vietnamese-Speaking (3)

VIE049B - Vietnamese Language and Culture for Fluent Speakers (3)

Area 2 (Total 3 credits)

Complete the following number of credits: 3

ANT003 - Cultural Anthropology (3)

COM012 - Introduction to Intercultural Communication (3)

COU055 - Valuing Diversity (3)

HUM007 - International Films (3)

POL001 - American Government (3)

POL001H - American Government - Honors (3)

POL004 - International Relations (3)

POL007 - International Films (3)

PSY001 - General Psychology (3)

PSY001H - General Psychology - Honors (3)

SOC001 - Introduction to Sociology (3)

SOC001H - Introduction to Sociology - Honors (3)

Program Learning Outcomes

- Identify major historical issues.
- Define and be able to compare and contrast key historical issues and cultural assumptions.
- Describe the value and positive attributes of different cultures and societies.
- Identify the main participants in historical events of the culture under study.
- Analyze major historical events either verbally or in writing.

POLITICAL SCIENCE

Political Science: Associate in Arts Degree for Transfer

The Associate in Arts in Political Science for Transfer (AA-T in Political Science) is designed to provide a clear pathway to a CSU institution for students who plan to transfer and complete a CSU major or baccalaureate degree in Spanish. The Associate in Arts in Political Science for Transfer is designed to involve students in the examination of the structure of government and the political systems in our and other nations. The curriculum covers the interaction and responsibilities of citizens and social institutions in those systems. This program offers insights into these events on the local, state, national and international levels and these insights also encourage involvement of the citizenry. Students completing this program successfully will be able to identify and explain the sources of and reasons for democratic government. Students will also be able to classify and explain the various kinds of governments other nations have. In addition, students will be able to define and trace the historical development of the modern international system.

Career/Transfer Opportunities: Career opportunities include the following: attorney, city planner, lobbyist, civics teacher, journalist, researcher, social worker, public administrator, political analyst, and media specialists.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18-19

Core Requirements (Total 3 credits)

Complete the following number of credits: 3

POL001 - American Government (3)

POL001H - American Government - Honors (3)

List A (Total 9 - 10 credits)

Complete the following number of credits: 9-10

- POL002 - Comparative Government (3)
- POL004 - International Relations (3)
- Complete MAT010 or MAT010H or SOC016
- MAT010 - Elementary Statistics (4)
- MAT010H - Elementary Statistics - Honors (4)
- SOC016 - Introduction to Statistics in Social and Behavioral Science (3)

List B (Total 6 credits)

Complete the following number of credits: 6

- ANT003 - Cultural Anthropology (3)
- BUS028A - Business Law I (3)
- ECN001A - Principles of Macroeconomics (4)
- ECN001B - Principles of Microeconomics (4)
- ECN006 - The Global Economy (3)

Program Learning Outcomes

- Students will be able to identify and describe major political institutions.
- Students will be able to analyze the exercise of power.
- Students will be able to apply theories and concepts of Political Science to real world events and situations.

PSYCHOLOGY

Behavioral Health Worker: Certificate of Achievement

This program will train students to assist people living with mental illness with tasks such as gaining employment, finding housing, using community resources, becoming financially competent, and other activities that promote an independent lifestyle. Students will learn the basics of Psychology, the foundations of mental health, the concept of rehabilitation and recovery, and how to support individuals and create cooperative relationships in coping with mental illnesses.

Career Opportunities: Paraprofessionals in Community-Based Mental Health Programs

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 18 credits)

Complete all of the following

- PSY001 - General Psychology (3)
- PSY021 - Special Populations (3)
- PSY022 - Helping Relationships (3)
- PSY030 - Psychology of Addiction and Substance Abuse (3)

Elective (Total 6 credits)

Complete the following number of credits: 6

- HOC005 - Introduction to Community Health Worker (3)
- PSY010 - Social Psychology (3)
- PSY012 - Human Growth and Development (3)
- PSY025 - Introduction to Abnormal Psychology (3)
- SOC047 - Sociology of Criminology (3)
- SOC050 - Introduction to Criminal Justice (3)
- SOC060 - Community and Justice System (3)
- WRK300GW - General Work Experience (3)

Program Learning Outcomes

- Explain how the addiction cycle applies to personal relationships and legal and illegal drug abuse.
- Design needs assessments to gather the information that meets the needs of special populations.
- Develop specific culturally competent outreach and engagement strategies for special populations.
- Describe the capacity of an individual to improve and grow, given the opportunity and resources available.

Foundations of Behavioral Health Work: Certificate of Competency (Noncredit)

The Mission College Foundations of Behavioral Health Work Certificate of Completion is a collaborative, innovative track of coursework that works towards training students to provide services to historically disenfranchised community members. Students will learn the basics of Behavioral Sciences with foundational courses in rehabilitation and recovery, promoting independent lifestyles, and how to create cooperative relationships within the community.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

- PSY821 - Special Populations
- PSY822 - Helping Relationships

Program Learning Outcomes

- Develop specific culturally competent outreach and engagement strategies for special populations.
- Describe the capacity of an individual to improve and grow, given the opportunity and resources available.

Psychology: Associate in Arts Degree for Transfer

The Associate in Arts in Psychology for Transfer (AA-T in Psychology) is designed to provide a clear pathway to a CSU institution for students who plan to transfer and complete a CSU major or baccalaureate degree in Psychology. Psychology concerns itself with the study of human and animal behavior. This program provides students training both in pure science and in the practical application of science to matters of everyday life. This program is designed for students who seek to learn to examine psychological processes from multiple perspectives and to apply psychological principles and methods to personal and social issues in ways that promote self-understanding, personal development, and effective interpersonal relationships as members of a diverse society. Students who complete the Associate in Arts in Psychology for Transfer (AA-T in Psychology) meet the lower-division requirements for transfer to a four-year program of study in Psychology.



Career/Transfer Opportunities: The Associate in Arts in Psychology for Transfer (AA-T in Psychology) encourages students to pursue professions in or related to the field of psychology and furthers their understanding of persons, the processes by which they develop, and the effects of cultural, social, and environmental factors on behavior.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18-21

Core Requirements (Total 9 - 11 credits)

Complete the following number of credits: 9-11

Complete MAT10 or MAT10H

MAT010 - Elementary Statistics (4)

MAT010H - Elementary Statistics - Honors (4)

SOC016 - Introduction to Statistics in Social and Behavioral Sciences (3)

Complete PSY001 or PSY001H

PSY001 - General Psychology (3)

PSY001H - General Psychology - Honors (3)

Complete PSY015 or PSY015H

PSY015 - Introduction to Research Methods (3)

PSY015H - Introduction to Research Methods - Honors (3)

List A (Total 3 - 4 credits)

Complete the following number of credits: 3-4

BIO010 - Introduction to Biology (3)

BIO011 - Human Biology (4)

PSY007 - Biological Psychology (3)

List B (Total 3 credits)

Complete all of the following

PSY012 - Human Growth and Development (3)

List C (Total 3 credits)

Complete the following number of credits: 3

Any List A or B course not already used or

PSY010 - Social Psychology (3)

PSY025 - Introduction to Abnormal Psychology (3)

PSY030 - Psychology of Addiction and Substance Abuse (3)

Complete PSY045 or SOC045

PSY045 - Introduction to Human Sexuality (3)

SOC045 - Introduction to Human Sexuality (3)

Program Learning Outcomes

- Students will design and demonstrate an exercise showing how psychosocial factors influence behavior.
- Students will explain the effects of genetic and environmental factors on personality and behavior.
- Students will describe how an appreciation of cultural relativity and human diversity might enrich the understanding of psychology.
- Students will identify research models and relate the findings of research to life situations.
- Students will develop critical thinking exemplified in their uses of psychological techniques in analyzing, comparing and contrasting human behavior.

SOCIOLOGY

Sociology: Associate in Arts Degree for Transfer

The Associate in Arts in Sociology for Transfer (AA-T in Sociology) is designed to provide a clear pathway to a CSU institution for students who plan to transfer and complete a CSU major or baccalaureate degree in Sociology. The Associate in Arts in Sociology for Transfer (AA-T in Sociology) provides a foundation for understanding many aspects of the social sciences, and assists students in comprehending other behavioral sciences. The required courses offer a basic understanding of how people relate to one another, the types of relationships people form, and various aspects and difficulties of such relationships.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete all of the following

Core Requirements (Total 9 credits)

Complete the following number of credits: 9

Complete MAT010 or MAT010H or SOC016

MAT010 - Elementary Statistics (4)

MAT010H - Elementary Statistics - Honors (4)

SOC016 - Introduction to Statistics in Social and Behavioral Sciences (3)

Complete SOC001 or SOC001H

SOC001 - Introduction to Sociology (3)

SOC001H - Introduction to Sociology - Honors (3)

Complete SOC002 or SOC002H

SOC002 - Social Problems (3)

SOC002H - Social Problems - Honors (3)

List A (Total 6 credits)

Complete the following number of credits: 6

Any Core Requirement course not already used or

PSY010 - Social Psychology (3)

SOC021 - Introduction to Race and Ethnicity (3)

SOC040 - Introduction to Marriage and Family (3)

SOC047 - Sociology of Criminology (3)

List B (Total 3 credits)

Complete the following number of credits: (3)

Any Core Requirement or List A course not already used or

Complete POL001 or POL001H

POL001 - American Government (3)

POL001H - American Government - Honors (3)

Complete PSY001 or PSY001H

PSY001H - General Psychology - Honors (3)

PSY001 - General Psychology (3)

Complete any of the following

ANT003 - Cultural Anthropology (3)

ECN001A - Principles of Macroeconomics (4)

SOC045 - Introduction to Human Sexuality (3)

Program Learning Outcomes

- Students will utilize the basic principles of sociology to analyze the behavior of people functioning in social groups
- Students will compare and contrast group dynamics in formal and informal social groups
- Students will explain formal and informal rules of social behavior.
- Students will relate social customs and social interactions within specific groups to analysis of how global perspectives affect United States Society.

SOCIAL JUSTICE STUDIES

Social Justice African American Studies: Associate in Arts Degree for Transfer

The Social Justice Studies, African American Studies AA-T is composed of courses that critically explore, through interdisciplinary means, the past and present experiences of African American minority groups in the United States. The program will cover philosophical and historical foundations of the social justice concept and movement and examine the socio-economic, cultural and political conditions of African Americans in the US. Students who complete this program successfully will: Assess the relationship of economic systems, such as capitalism and socialism, and public policy as they relate to the experiences of African Americans in the US. Explain concepts and theories of race, ethnicity, gender, sexuality, and disability and how they are socially and politically constituted and institutionalized. Identify the interplay of race, ethnicity, class, and sexuality affecting gender relations and inequality.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18-19

Core Requirements (Total 9 credits)

Complete the following number of credits: 9

- SJS002 - Introduction to Gender Studies (3)
Complete SJS001 or SOC021
- SJS001 - Social Justice (3)
- SOC021 - Introduction to Race and Ethnicity (3)
Complete HUM018 or HUM018H
- HUM018 - African American Culture and Humanities (3)
- HUM018H - African American Culture and Humanities - Honors (3)

List A: Select three courses from at least two of the following areas. Only one course from Area 4 may be used. (Total 9 credits)

Complete the following number of credits: 9

Area 1: History or Government (Total 3 credits)

Complete the following number of credits: 3

- Complete ETH044 or ETH044H or HIS044 or HIS044H 0*
- ETH044 - African American History (3)
- ETH044H - African American History - Honors (3)
- HIS044 - African American History (3)
- HIS044H - African American History - Honors (3)

Area 2: Arts and Humanities (Total 3 credits)

Complete the following number of credits: 3

- ENG012 - African American Literature (3)
- ETH012 - African American Literature (3)

Area 3: Social Science (Total 3 credits)

Complete the following number of credits: 3

- Complete HIS033 or HIS033H*
- HIS033 - Women's Issues Past and Present (3)
- HIS033H - Women's Issues Past and Present (3)
- POL006 - Politics of Race, Class and Gender (3)
- PSY045 - Introduction to Human Sexuality (3)
- SOC002 - Social Problems (3)

Area 4: Quantitative Reasoning and Research Methods (Total 3 - 4 credits)

Complete the following number of credits: 3-4

- SOC016 - Introduction to Statistics in Social and Behavioral Sciences (3)
Complete MAT010 or MAT010H
- MAT010 - Elementary Statistics (4)
- MAT010H - Elementary Statistics - Honors (4)
- POL005 - Political Science Research Methodology (3)
Complete PSY015 or PSY015H
- PSY015 - Introduction to Research Methods (3)
- PSY015H - Introduction to Research Methods - Honors (3)

Program Learning Outcomes

- Assess the relationship of economic systems, such as capitalism and socialism, and public policy to social justice in relation to African Americans.
- Explain concepts and theories of race, ethnicity, gender, sexuality, and disability and how they are socially and politically constituted and institutionalized in relation to African Americans.
- Identify the interplay of race, ethnicity, class, and sexuality affecting gender relations and inequality of African Americans.

Social Justice Studies: Associate in Arts Degree for Transfer

This CSU transfer-degree program is an interdisciplinary study of social justice. The program will cover philosophical and historical foundations of the social justice concept and movement and examine the socio-economic, cultural and political conditions of key social groups.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18-20

Core Requirements (Total 9 credits)

Complete the following number of credits: 9

Complete SJS001 or SOC021

- SJS001 - Social Justice (3)
- SJS003 - Introduction to LGBTQ Studies (3)
- SJS002 - Introduction to Gender Studies (3)
- SOC021 - Introduction to Race and Ethnicity (3)

List A: Select three courses from at least two of the following areas. Only one course from Area 4 may be used. (Total 9-10 credits)

Complete the following number of credits: 9-10

Area 1: History or Government (Total 3 credits)

Complete the following number of credits: (3)

- HIS033 - Women's Issues Past and Present (3)
- HIS033H - Women's Issues Past and Present (3)
- POL006 - Politics of Race, Class and Gender (3)

Area 2: Arts and Humanities (Total 3 credits)

Complete the following number of credits: 3

- HUM016A - Hispanic Roots & Culture (3)
- HUM018 - African-American Culture and Humanities (3)
- HUM018H - African-American Culture and Humanities - Honors (3)
- HUM020 - Asian Roots and Culture (3)
- HUM022 - Introduction to Islam (3)
- HUM024 - The Asian-American Experience (3)

Area 3: Social Science (Total 3 credits)

Complete the following number of credits: 3

- ECN001A - Principles of Macroeconomics (4)
- ECN001B - Principles of Microeconomics (4)
- POL001 - American Government (3)
- POL001H - American Government - Honors (3)
- PSY001 - General Psychology (3)
- PSY001H - General Psychology - Honors (3)
- PSY045 - Introduction to Human Sexuality (3)
- SOC001 - Introduction to Sociology (3)
- SOC001H - Introduction to Sociology - Honors (3)
- SOC045 - Introduction to Human Sexuality (3)

Area 4: Quantitative Reasoning and Research Methods (Total 3 - 4 credits)

Complete the following number of credits: 3 - 4

- PSY015 - Introduction to Research Methods (3)
- PSY015H - Introduction to Research Methods - Honors (3)
- MAT010 - Elementary Statistics (4)
- MAT010H - Elementary Statistics - Honors (4)
- SOC016 - Introduction to Statistics in Social and Behavioral Sciences (3)

Program Learning Outcomes

- Assess the relationship of economic systems, such as capitalism and socialism, and public policy to social justice
- Explain concepts and theories of race, ethnicity, gender, sexuality, and disability and how they are socially and politically constituted and institutionalized
- Identify the interplay of race, ethnicity, class, and sexuality affecting gender relations and inequality

SPANISH

Spanish: Associate in Arts Degree for Transfer

The Associate in Arts in Spanish for Transfer (AA-T in Spanish) is designed to provide a clear pathway to a CSU institution for students who plan to transfer and complete a CSU major or baccalaureate degree in Spanish. The Spanish department offers courses that serve as a basis for broad liberal education, for advanced degrees and further study in languages, linguistics, English Literature, as preparation for a teaching credential, and as supplementary preparation for many professional fields including: emergency services, the legal and medical professions, social work, business, hospitality, information technology, foreign service, public relations, journalism, translation, and interpretation. Training in the Spanish language is widely considered essential preparation for teachers in California's public schools. Upon completing the program the student will acquire a level of competence in Spanish (reading, writing, listening, speaking) that will increase marketability or enhance job performance in professions where knowledge of the Spanish language is necessary or helpful. The student will also be prepared for upper division coursework in Spanish at a four-year university.

To earn this degree students must meet the following:

- Completion of 60 semester units.
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 23

Core Requirements (Total 20 credits)

Complete all of the following

- SPA001 - First Semester Spanish (Elementary Level) (5)
- SPA002 - Second Semester Spanish (Elementary Level) (5)
- SPA003 - Third Semester Spanish (Intermediate Level) (5)
- SPA004 - Fourth Semester Spanish (Intermediate Level) (5)

List A (Total 3 credits)

Complete the following number of credits: (3)

- ANT003 - Cultural Anthropology (3)
- ENG013 - Latina/o Literature (3)
- HUM016A - Hispanic Roots & Culture (3)
- SPA050A - Basic Conversational Spanish and Culture (3)
- SPA050B - Basic Conversational Spanish and Culture (3)

Program Learning Outcomes

- Compare and contrast cultural topics such as colonization, geography, nationality, ethnicity, politics, worldviews, and/or socioeconomic disparities within the Spanish-speaking world.
- Express ideas clearly and accurately in writing at the intermediate level of proficiency (at a minimum) consistent with the American Council on the Teaching of Foreign Languages (ACTFL) guidelines on proficiency in a foreign language through written compositions and essays.
- Demonstrate speaking skills at the intermediate level of proficiency (at a minimum) consistent with the American Council on the Teaching of Foreign Languages (ACTFL) guidelines on proficiency in a foreign language by completion of an oral interview.

- Demonstrate listening comprehension at the intermediate level of proficiency (at a minimum) consistent with the American Council on the Teaching of Foreign Languages (ACTFL) guidelines on proficiency in a foreign language by responding appropriately to written and spoken expressions in Spanish.
- Demonstrate reading comprehension at the intermediate level of proficiency (at a minimum) consistent with the American Council on the Teaching of Foreign Languages (ACTFL) guidelines on proficiency in a foreign language by responding appropriately to written questions based on reading passages in Spanish.
- Upon completing the program the student will have acquired a level of competence in Spanish that will increase marketability or enhance job performance in professions where knowledge of the Spanish language is necessary or helpful. The student will also be prepared for upper division coursework in Spanish at a four-year university.

Spanish: Certificate of Achievement

This Certificate of Achievement in Spanish is best suited for non-degree seeking students, such as professional people, who want to improve their fluency in Spanish and/or those wishing to present to their employers' academic evidence of having completed a specific sequence of focused courses. Spanish is frequently a highly in demand language in the workforce. Upon completion of the program the student will be able to provide evidence of language competence in Spanish (reading, writing, listening, speaking) that will increase marketability and/or enhance job performance, especially in professions where knowledge of the Spanish language is necessary or helpful. It is also supplementary preparation for many fields including emergency services, the legal and medical professions, social work, business, hospitality management, information technology, foreign service, public relations, journalism, translation, and interpretation. The Certificate of Achievement will satisfy a transfer language requirement, and can be used as the foundation for those wishing to complete a Spanish AA-T.

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 15 credits)

Complete all of the following

- SPA002 - Second Semester Spanish (Elementary Level) (5)
- SPA003 - Third Semester Spanish (Intermediate Level) (5)
- SPA004 - Fourth Semester Spanish (Intermediate Level) (5)

Electives (Total 3 credits)

Complete the following number of credits: (3)

- ENG013 - Latina/o Literature (3)
- ETH013 - Latina/o Literature (3)
- ETH016A - Hispanic Roots & Culture (3)
- HUM016A - Hispanic Roots & Culture (3)
- SPA001 - First Semester Spanish (Elementary Level) (5)
- SPA050A - Basic Conversational Spanish and Culture (3)
- SPA050B - Basic Conversational Spanish and Culture (3)

Program Learning Outcomes

- Communicate in the Spanish language at the Intermediate Mid to Intermediate High level of ACFTL (American Council on the Teaching of Foreign Languages)
- Compare and contrast cultural topics such as colonization, geography, nationality, ethnicity, politics, worldviews, and/

or socioeconomic disparities within the Spanish-speaking world.

- Demonstrate reading comprehension at the intermediate level of proficiency (at a minimum) consistent with the American Council on the Teaching of Foreign Languages (ACTFL) guidelines on proficiency in a foreign language by responding appropriately to written questions based on reading passages in Spanish.
- Express ideas clearly and accurately in writing at the intermediate level of proficiency (at a minimum) consistent with the American Council on the Teaching of Foreign Languages (ACTFL) guidelines on proficiency in a foreign language through written compositions and essays.



Public Safety, Health and Wellness

Dean: Roy Vasquez
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Through rigorous training, practical experience, and a commitment to well-being, Public Safety, Health & Wellness faculty and students are at the forefront of safeguarding public health and safety. Whether it's providing essential healthcare services, fire protection expertise, or fostering physical fitness and athletic excellence, this area prepares students to make a positive impact on the well-being of individuals and communities.

COMMUNITY HEALTH WORKER

Community Health Worker: Certificate of Completion (Noncredit)

The Community Health Worker Certificate of Completion provides students with health education, care management, and client advocacy in both community-based and health care settings. CHWs serve a two-way bridge between communities and key health and social resources. They play a vital role in reducing health inequalities among under-served communities by reducing barriers to access in a culturally appropriate way.

Career Opportunities Students who complete the program are eligible for immediate employment as entry-level community-health workers in a variety of home-care and agency settings.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

- NCH001CW - Introduction to Community Health 0
- NCH002CW - Introduction to Chronic Diseases 0
- NCH003CW - Externship for Community Health 0

Program Outcomes

- Describe public health concepts and information for health promotion.
- Assess and integrate professional skills necessary for employment in the CHW field.
- Evaluate and implement entry-level proficiency in CHW core competencies for working effectively with diverse individuals' groups and communities.

- Describe public health concepts and information for health promotion.
- Assess and integrate professional skills necessary for employment in the CHW field.
- Evaluate and implement entry-level proficiency in CHW core competencies for working effectively with diverse individuals' groups and communities.

FIRE PROTECTION TECHNOLOGY

Fire Fighter/EMT Academy: Certificate of Achievement

This Certificate of Achievement is designed to prepare an individual for the entry level position as a Firefighter/EMT. The certification is two-fold; once certified as an EMT, employment can be gained in the emergency medical field until the completion of the Firefighter 1 Academy. When both certifications are met they are prepared for the entry level position as a Firefighter/EMT. The EMT training program is designed to prepare individuals to render pre-hospital basic life support at the scene of an emergency, during transport of the sick and injured, or during inter-facility transfer within an organized EMS system. This course meets all the theory requirements for certification as an Emergency Medical Technician-I as specified in the regulations approved by the State of California Emergency Medical Services Authority in July, 2017. Students must also successfully complete FPT 065L and FPT 065C concurrently with FPT 065 to be eligible for certification. The Firefighter 1 Academy provides the skills and knowledge needed for the entry level Professional or Volunteer Fire Fighter to perform his/her duties safely, effectively, and competently. The curriculum is based on the 2013 edition of NFPA 1001 Standard for Fire

Fighter Professional Qualifications, the 2012 edition of NFPA 1051 Standard for Wildland Fire Fighter Professional Qualifications, and the 2008 edition of NFPA 472 Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents. This certification is required to become a Professional or Volunteer Firefighter/EMT, and includes instruction on basic firefighting skills, laws and regulations affecting the fire service. Starting in 2013, State of California Fire Training requires that both Volunteer and Professional Fire Fighters complete a Fire Fighter 1 Academy. This has created an increase in demand. The course provides the student with knowledge and skills to safely perform, under minimal supervision, essential and advanced fire ground tasks, basic rescue, basic fire prevention and fire investigation task and to use, inspect, and maintain firefighting and rescue equipment. This curriculum provides the minimum required training required by the State of California Fire Training in the field of fire technology as it relates to firefighters.

Career/Transfer Opportunities Students are eligible for entry-level positions in fire protection and emergency response agencies

Program Requirements

Complete the following number of credits: 22.5

Core Requirements (Total 22.5)

Complete all of the following

- FPT065 - Emergency Medical Technician Theory 6
- FPT065C - Emergency Medical Technician Clinical Experience 0.5
- FPT065L - Emergency Medical Technician Laboratory 1.5
- FPT200 - Fire Fighter 1 Fire Academy 14.5

Program Outcomes

- Students will be prepared for entry-level employment as a professional and competent Fire Fighter and meet the requirements for Firefighter 1 Certification from California State Fire Training
- Students will be prepared for entry-level employment as a professional and competent Emergency Medical Technician and meet the needs of the local health care community.

Fire Prevention Internship Certification: Certificate of Achievement

Fire Prevention is a dynamic public safety profession that requires a wide and ever-changing range of knowledge and skills. Areas of necessary knowledge include safety, fire behavior and suppression, rescue, emergency medical service delivery and operations, hazardous materials, building construction, detection and signaling systems and the incident command system. This program focuses on preparing the student for their first career in the fire prevention bureau. This program includes educational opportunities for those employed within the fire service, as well as those within volunteer fire agencies. Courses include those required for transfer to four-year colleges, those required to meet eligibility requirements for employment, and those required for incentive salary increases and promotions. Fire Prevention Interns will be required to complete 10-14 hours paid employment per week at a fire agency, Monday through Friday during normal business hours. Interns may be assigned to 2 different agencies. Internships may have eligibility requirements that vary according to agency.

Career/Transfer Opportunities: Career opportunities include the following: fire inspector, fire investigator, fire prevention specialist, fire marshal, deputy fire marshal, hazardous materials, and community education.

Program Requirements

Complete the following number of credits: 29.5

Core Requirements (Total 29.5)

Complete all of the following

Note: FPT 055 is a prerequisite to FPT 300A, and should be taken before beginning this program.

- FPT300A - Fire Prevention Internship Course 1 3
- FPT300B - Fire Prevention Internship Course 2 3
- FPT300C - Fire Prevention Internship Course 3 3
- FPT300D - Fire Prevention Internship Course 4 3
- FPT301 - Fire Inspector 1A Duties and A 1.5
- FPT302 - Fire Inspector 1B: Fire and Life Safety 1.5
- FPT303 - Fire Inspector 1C: Field Inspection 1.5
- FPT304 - Fire Inspector 1D: Field Inspection CA 1
- WRK300FP - Occupational Work Experience for Fire Prevention Internship 12

Program Outcomes

- Students will utilize the Uniform Fire Code requirements and regulations when performing fire inspections.
- Explain how to determine Occupancy Classifications & Load
- Explain how Site Access & Emergency Access affect life safety
- Describe how to complete a Hood and Duct Inspection
- Describe the types of Fire Suppression Systems
- Identify the responsibility, authority and process for fire prevention inspections and fire cause determination
- Identify how to Determine the Operational Readiness of a Fire Detection and Alarm systems
- Describe the consequences of severe wildland fire conditions on unmitigated wildland urban interface areas.
- Identify the history of fire in the wildland urban interface environment.
- Achieve eligibility for certification on the State Fire Training Certification Tracks as a Fire Inspector I (Educational Requirements) from California State Fire
- Training through the completion of FPT301 - Fire Inspector 1A, FPT302 - Fire Inspector 1B, FPT303 - Fire Inspector 1C, FPT304 - Fire Inspector 1D.
- Demonstrate knowledge of building components, fire suppression systems, hazardous materials classifications, fire behavior and combustion, and rescue tec

Fire Technology: Associate in Science Degree

Firefighting is a dynamic public safety profession that requires a wide and ever-changing range of knowledge and skills. Areas of necessary knowledge include safety, fire behavior and suppression, rescue, emergency medical service delivery and operations, hazardous materials, building construction, detection and signaling systems and the incident command system. This program focuses on preparing the student for their first career in the fire service. This program includes educational opportunities for those employed within the fire service, as well as those within volunteer fire agencies. Courses include those required for transfer to four-year colleges, those required to meet eligibility requirements for employment, and those required for incentive salary increases and promotions.

Career/Transfer Opportunities: Career opportunities include the following: firefighter, firefighter-EMT, emergency medical technician, fire investigator, fire prevention specialist, fire marshal, deputy fire marshal, fire officer, chief officer, hazardous materials, and public education.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 33

Core Requirements (Total 27)

- CHM030A - Fundamentals of Chemistry 4
- FPT051 - Fire Protection Organization 3
- FPT052 - Fire Behavior and Combustion 3
- FPT053 - Fire Protection Systems 3
- FPT054 - Building Construction for Fire 3
- FPT055 - Fire Prevention Technology 3
- FPT056 - Hazardous Materials Technology 3
- MAT000C - Intermediate Algebra 5

Electives (Total 6)

Complete the following number of credits: 6

- FPT057 - Rescue Practices 3
- FPT060 - Wildland Fire Suppression 3
- FPT061 - Structural Fire Suppression 3
- FPT065 - Emergency Medical Technician 6
- FPT065C - EMT Clinical Experience 1.5
- FPT065L - Emergency Medical Technician L 1.5
- FPT180 - Emergency Medical Technician-I 2
- KIN039A - Fire Agility - Introduction 2

Program Outcomes

- Critically analyze and classify hazardous materials and catastrophic events into appropriate categories (fire, medical, hazardous materials, and weapons of mass destruction).
- Explain the elements of critical assessment for fire and medical emergencies.
- Analyze, assess, demonstrate the knowledge and appropriate fire extinguishing methods to suppress fires and response to hazardous situations.
- Analyze, assess, and demonstrate the appropriate medical treatment that is a solution to a given medical problem.
- Demonstrate in written and oral presentation, or lab exercises, knowledge and application of firefighting and medical equipment.
- Demonstrate in written and oral presentation, or practical exercises, knowledge and application of firefighting safety clothing and survival techniques.
- Demonstrate knowledge of building components, fire suppression systems, hazardous materials classifications, fire behavior and combustion, and rescue techniques.
- Achieve eligibility for certification on the State Fire Training Certification Tracks as a Firefighter I (Educational Requirements) from the California State Fire Marshal Office's through the completion of at least 24.5 units Fire Protection Technology coursework.
- Achieve eligibility for certification on the State Fire Training Certification Tracks as an Emergency Medical Technician from the California State Fire Marshal Office's through the completion of at least 8 units of Fire Protection Technology coursework.

KINESIOLOGY

Fitness and Health: Certificate of Achievement

The Fitness and Health Certificate at Mission College is designed to provide an in-depth study and practical application of the current standards and foundational skills of assessment, fitness testing, program design, implementation and evaluation of fitness and exercise programs as well as nutrition, mental health management and behavior modification techniques. This certificate is aimed at helping students who are seeking careers or additional training in the fitness and health industry. Therefore, in addition to learning the academic, foundational principles of fitness and health in the traditional classroom, students will also engage in hands-on learning and teaching techniques, which will aid them in being prepared to work in the field. This program also helps to prepare students to sit for nationally recognized fitness and health certification exams from organizations such as: American Council on Exercise (ACE), National Academy of Sports Medicine (NASM), Aerobics and Fitness Association of America (AFAA), and National Strength and Conditioning Association (NSCA).

Career/Transfer Opportunities: Students will enroll in UC and CSU transferable courses and have the skills and knowledge to pursue a career in the following: personal training, group fitness instructing, health or wellness coaching, weight management consulting, and fitness entrepreneurship.

Program Requirements

Complete the following number of credits: 17.5

Core Requirements (Total 12.5 - 15.5)

Complete the following number of credits: 12.5

- HOC004 - First Aid and CPR 0.5
- KIN066 - Exercise Assessment and Program Design 3
- KIN067 - Techniques of Fitness Instruction 3
- NTR015 - Human Nutrition 3
- Complete KIN068 or KIN079*
- KIN068 - Sport Psychology 3
- KIN079 - Lifetime Fitness 3

Elective (Total 3 - 12)

Complete the following number of credits: 3

- BUS023 - Social Media Marketing 3
- BUS051 - Introduction to American Business 3
- KIN069 - Stress Management Through Fitness and Lifestyle 3
- KIN081 - Sport in Society 3

Elective: Activity (Total 2)

Complete the following number of credits: 2

- KIN014A - Volleyball - Introduction 1
- KIN014B - Volleyball - Beginning 1
- KIN014C - Volleyball - Intermediate 1
- KIN014D - Volleyball - Advanced 1
- KIN015A - Basketball - Introduction 1
- KIN015B - Basketball - Beginning 1
- KIN015C - Basketball - Intermediate 1
- KIN015D - Basketball - Advanced 1
- KIN019A - Soccer - Introduction 1
- KIN019B - Soccer - Beginning 1
- KIN020A - Badminton- Introduction 1
- KIN020B - Badminton - Beginning 1

KIN020C - Badminton - Intermediate 1
 KIN020D - Badminton - Advanced 1
 KIN021A - Tennis - Introduction 1
 KIN021B - Tennis - Beginning 1
 KIN021C - Tennis - Intermediate 1
 KIN021D - Tennis - Advanced 1
 KIN023A - Archery - Introduction 1
 KIN023B - Archery - Beginning 1
 KIN023C - Archery - Intermediate 1
 KIN023D - Archery - Advanced 1
 KIN030A - Pilates Matwork - Introduction 1
 KIN030B - Pilates Matwork - Beginning 1
 KIN030C - Pilates Matwork - Intermediate 1
 KIN030D - Pilates Matwork - Advanced 1
 KIN032A - Cardio and Core Fitness-Introduction 1
 KIN032B - Cardio and Core Fitness- Beginning 1
 KIN032C - Cardio and Core Fitness - Intermediate 1
 KIN032D - Core and Cardio Fitness - Advanced 1
 KIN033A - Kickboxing Fitness- Introduction 1
 KIN033B - Kickboxing Fitness - Beginning 1
 KIN033C - Kickboxing Fitness-Intermediate 1
 KIN035A - Weight Training - Introduction 1
 KIN035B - Weight Training - Beginning 1
 KIN035C - Weight Training - Intermediate 1
 KIN037A - Cardio-Cross Training - Introduction 1
 KIN037B - Cardio-Cross Training - Beginning 1
 KIN037C - Cardio-Cross Training - Intermediate 1
 KIN037D - Cardio-Cross Training - Advanced 1
 KIN038A - Lower Body Conditioning - Introduction 1
 KIN038B - Lower Body Conditioning - Beginning 1
 KIN038C - Lower Body Conditioning - Intermediate 1
 KIN038D - Lower Body Conditioning - Advanced 1
 KIN038E - Lower Body Conditioning - Endurance Training 1
 KIN038F - Lower Body Conditioning - Speed Training 1
 KIN038G - Lower Body Conditioning - Agility Training 1
 KIN038J - Lower Body Conditioning - Plyometric Training 1
 KIN040A - Modern Dance - Introduction 1
 KIN040B - Modern Dance - Beginning 1
 KIN040C - Modern Dance - Intermediate 1
 KIN040D - Modern Dance - Advanced 1
 KIN041A - Ballet - Introduction 1
 KIN041B - Ballet - Beginning 1
 KIN041C - Ballet - Intermediate 1
 KIN041D - Ballet - Advanced 1
 KIN042A - Jazz Dance - Introduction 1
 KIN042B - Jazz Dance - Beginning 1
 KIN042C - Jazz Dance - Intermediate 1
 KIN046A - Ballroom Dancing - Introduction 1
 KIN046B - Ballroom Dancing - Beginning 1
 KIN046C - Ballroom Dance - Intermediate 1
 KIN046D - Ballroom Dance - Advanced 1
 KIN047A - Hip Hop - Introduction 1

KIN047B - Hip Hop - Beginning 1
 KIN047C - Hip Hop - Intermediate 1
 KIN047D - Hip Hop - Advanced 1
 KIN048A - Latin Dance/Salsa - Introduction 1
 KIN048B - Latin Dance/Salsa - Beginning 1
 KIN050A - Tai Chi - Introduction 1
 KIN050B - Tai Chi - Beginning 1
 KIN050C - Tai Chi - Intermediate 1
 KIN051A - Aikido - Introduction 1
 KIN051B - Aikido - Beginning 1
 KIN051C - Aikido - Intermediate 1
 KIN053A - Karate - Introduction 1
 KIN053B - Karate - Beginning 1
 KIN053C - Karate - Intermediate 1
 KIN055A - Self-Defense - Introduction 1
 KIN055B - Self Defense - Beginning 1
 KIN061A - Hatha Yoga - Introduction 1
 KIN061B - Hatha Yoga - Beginning 1
 KIN061C - Hatha Yoga - Intermediate 1
 KIN061D - Hatha Yoga - Advanced 1
 KIN063A - Hiking - Introduction 1
 KIN063B - Hiking - Beginning 1
 KIN063C - Walk / Jog for Fitness - Introduction 1
 KIN063D - Walking / Jogging for Fitness - Beginner 1
 KIN039A - Fire Agility - Introduction 2
 KIN039B - Fire Agility - Beginning 2
 KIN039C - Fire Agility - Intermediate 2
 KIN039D - Fire Agility - Advanced 2

Program Outcomes

- Exhibit an understanding of the impact of training on the major systems of the human body and apply industry best practices to develop safe and effective training programs.
- Demonstrate the ability to conduct safe, motivational and effective individual and group exercise training programs.
- Demonstrate knowledge of learned content by successfully passing exams from certifying agencies.
- The Associate in Science in Business Administration for Transfer 2.0 (AS-T in Business 2.0) offers a challenging and well-balanced distribution of



Kinesiology: Associate in Arts Degree for Transfer

The Associate in Arts in Kinesiology for Transfer (AA-T in Kinesiology) is designed to introduce the student to many facets of the science and study of movement. Kinesiology courses enhance skills and physical development in combative, dance, individual and team sports, and fitness. Courses provide a foundation for understanding human anatomy and physiology. Students completing this program successfully will be able to demonstrate an understanding of the major systems of the human body as they relate to movement and activity by identifying, explaining, and applying principles of anatomy and physiology in various contexts. Students who complete the AA-T in Kinesiology meet the lower-division requirements for transfer to a four-year program of study in Kinesiology. The AA-T in Kinesiology is designed to provide a clear pathway to a CSU institution for students who plan to transfer and complete a CSU major or baccalaureate degree in Kinesiology. California Community College students who are awarded an AA-T in Kinesiology are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU institution or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or institutions.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 24

Core Requirements (Total 16)

Complete the following number of credits: 16

- KIN078 - Introduction to Kinesiology 3
- BIO047 - Human Anatomy 5
- Complete BIO048 or BIO048H*
- BIO048 - Human Physiology 5
- BIO048H - Human Physiology - Honors 5

Movement-Based Courses (Total 5)

Select one course maximum from any three of the following areas (3 units minimum):

Combative (Total 1)

Complete the following number of credits: 1

- KIN050A - Tai Chi - Introduction 1
- KIN050B - Tai Chi - Beginning 1
- KIN050C - Tai Chi - Intermediate 1
- KIN051A - Aikido - Introduction 1
- KIN051B - Aikido - Beginning 1
- KIN051C - Aikido - Intermediate 1
- KIN053A - Karate - Introduction 1
- KIN053B - Karate - Beginning 1
- KIN053C - Karate - Intermediate 1
- KIN055B - Self Defense - Beginning 1

Dance (Total 1)

Complete the following number of credits: 1

- KIN040A - Modern Dance - Introduction 1
- KIN040B - Modern Dance - Beginning 1

- KIN040C - Modern Dance - Intermediate 1
- KIN041A - Ballet - Introduction 1
- KIN041B - Ballet - Beginning 1
- KIN041C - Ballet - Intermediate 1
- KIN042A - Jazz Dance - Introduction 1
- KIN042B - Jazz Dance - Beginning 1
- KIN042C - Jazz Dance - Intermediate 1
- KIN046A - Ballroom Dancing - Introduction 1
- KIN046B - Ballroom Dancing - Beginning 1
- KIN046C - Ballroom Dance - Intermediate 1
- KIN047A - Hip Hop - Introduction 1
- KIN047B - Hip Hop - Beginning 1
- KIN047C - Hip Hop - Intermediate 1
- KIN048A - Latin Dance/Salsa - Introduction 1
- KIN048B - Latin Dance/Salsa - Beginning 1

Fitness (Total 1)

Complete the following number of credits: 1

- KIN030A - Pilates Matwork - Introduction 1
- KIN030B - Pilates Matwork - Beginning 1
- KIN030C - Pilates Matwork - Intermediate 1
- KIN032A - Cardio and Core Fitness-Introduction 1
- KIN032B - Cardio and Core Fitness- Beginning 1
- KIN032C - Cardio and Core Fitness - Intermediate 1
- KIN033A - Kickboxing Fitness- Introduction 1
- KIN033B - Kickboxing Fitness - Beginning 1
- KIN033C - Kickboxing Fitness-Intermediate 1
- KIN035A - Weight Training - Introduction 1
- KIN035B - Weight Training - Beginning 1
- KIN035C - Weight Training - Intermediate 1
- KIN037A - Cardio-Cross Training - Introduction 1
- KIN037B - Cardio-Cross Training - Beginning 1
- KIN037C - Cardio-Cross Training - Intermediate 1
- KIN038A - Lower Body Conditioning - Introduction 1
- KIN038B - Lower Body Conditioning - Beginning 1
- KIN038C - Lower Body Conditioning - Intermediate 1
- KIN039A - Fire Agility - Introduction 2
- KIN039B - Fire Agility - Beginning 2
- KIN039C - Fire Agility - Intermediate 2
- KIN061A - Hatha Yoga - Introduction 1
- KIN061B - Hatha Yoga - Beginning 1
- KIN061C - Hatha Yoga - Intermediate 1
- KIN063A - Hiking - Introduction 1
- KIN063B - Hiking - Beginning 1
- KIN063C - Walk / Jog for Fitness - Introduction 1
- KIN063D - Walking / Jogging for Fitness - Beginner 1

Individual Sports (Total 1)

Complete the following number of credits: 1

- KIN020A - Badminton- Introduction 1
- KIN020B - Badminton - Beginning 1
- KIN020C - Badminton - Intermediate 1
- KIN020D - Badminton - Advanced 1
- KIN021A - Tennis - Introduction 1

- KIN021B - Tennis - Beginning 1
- KIN021C - Tennis - Intermediate 1
- KIN021D - Tennis - Advanced 1
- KIN023A - Archery - Introduction 1
- KIN023B - Archery - Beginning 1
- KIN023C - Archery - Intermediate 1

Team Sports (Total 1)

Complete the following number of credits: 1

- KIN014A - Volleyball - Introduction 1
- KIN014B - Volleyball - Beginning 1
- KIN014C - Volleyball - Intermediate 1
- KIN015A - Basketball - Introduction 1
- KIN015B - Basketball - Beginning 1
- KIN015C - Basketball - Intermediate 1
- KIN015D - Basketball - Advanced 1
- KIN019A - Soccer - Introduction 1
- KIN019B - Soccer - Beginning 1

List A (Total 6)

Complete the following number of credits: 6

Complete MAT010 or MAT010H or MAT010X or SOC016

- MAT010 - Elementary Statistics 4
- MAT010H - Elementary Statistics - Honors 4
- MAT010X - Elementary Statistics with Additional Support 6
- SOC016 - Introduction to Statistics in Social And Behavioral Sciences 3
- Complete CHM030A or CHM060 or CHM001A or CHM001AH*
- CHM030A - Fundamentals of Chemistry 4
- CHM060 - Introduction to General, Organic, and Biological Chemistry 4
- CHM001A - General Chemistry I 5
- CHM001AH - General Chemistry I - Honors 5
- PHY002A - General Physics - Mechanics and Thermodynamics 5
- Complete PSY001 or PSY001H or SOC001 or SOC001H*
- PSY001 - General Psychology 3
- PSY001H - General Psychology - Honors 3
- SOC001 - Introduction to Sociology 3
- SOC001H - Introduction to Sociology - Honors 3
- NTR006 - Personal Health and Wellness 3



Program Outcomes

- Students will demonstrate an understanding of the major systems of the human body as they relate to movement and activity by identifying, explaining, and applying principles of anatomy and physiology in various contexts.
- Students will critically analyze movement and effectively communicate their analysis.
- With the completion of a Kinesiology degree, students have the skills and knowledge to transfer to a four year institution and pursue a career in the following areas: coach, teacher, athletic trainer, sports management, sports medicine, dance therapy, choreography, among others.
- Students demonstrate an understanding of the major systems of the human body as they relate to movement and activity by identifying, explaining, and applying principles of anatomy and physiology in various contexts.
- Students will demonstrate the ability to critically analyze movement and activity and communicate their analysis to others effectively.

NURSING

Nursing Assistant: Certificate of Proficiency

The Nursing Assistant Certificate of Proficiency prepares students for entry-level employment in the healthcare field. Nursing Assistants provide direct care to patients in residential, skilled nursing and hospice care facilities under the supervision of a licensed nurse. Completion of the Nursing Assistant courses provides eligibility for the National Nurse Aide Assessment Program (NNAAP) examination for the Certified Nursing Assistant (CNA).

Career/Transfer Opportunities: The Certified Nursing Assistant is a member of the health care team who works under the LVN, RN or Physician.

Employment opportunities for the Nursing Assistant include long-term care facilities, private duty, assisted living, adult day care facilities, pediatric sub-acute and mental health facilities. Home health aides work primarily in homes and as a visiting care provider (ie: hospice care or public health aide).

Program Requirements

Complete the following number of credits: 6.5

Core Requirements (Total 6.5)

Complete all of the following

- HOC019A - Nursing Assistant Fundamentals 4
- HOC019AL - Nursing Assistant Fundamentals Laboratory 0.5
- HOC019B - Nursing Assistant Clinical Experience 2

Program Outcomes

- Use the language of the profession of nursing to communicate appropriately using verbal, written and technological methods.
- Analyze relevant information in the utilization of the nursing process, applying principles of evidence-based practice as needed.
- Identify personal and professional growth through retrospection of nursing care.
- Complete all requirements for eligibility to apply for the Nursing Assistant Certification and pass the state examination.

Nursing (LVN to RN): Associate in Science

The Associate Degree (LVN-to-RN) Nursing curriculum is approved through the California Board of Registered Nursing (BRN) and is designed to prepare students to take the National Council Licensure Examination-Registered Nursing (NCLEX-RN). Upon successful completion of the NCLEX-RN examination, the student becomes a Registered Nurse (R.N.).

Career/Transfer Opportunities: Employment opportunities following the acquisition of the license include hospitals, clinics, home-care, and community centers.

Admission to the LVN-to-RN Program: The Nursing program is limited in the number of students it can admit each year. Applicants are cautioned that satisfaction of the prerequisite requirements qualifies them only for consideration for admission to the program. There is a selection procedure which assists us to select qualified applicants.

Prerequisite Requirements for Admission to the LVN-to-RN Program:

1. High school graduate or equivalent
2. Proof of active LVN license (copy)
3. Minimum cumulative GPA of 2.5 for all college coursework
4. Satisfactory score on the Test of Essential Academic Skills (TEAS)
5. Completion of the LVN-to-RN
6. Course prerequisites listed below (18 units):
 - Human Anatomy (5-unit semester course or equivalent, e.g. BIO 047)
 - Human Physiology (5-unit semester course or equivalent, e.g. BIO 048)
 - Microbiology (5-unit semester course or equivalent, e.g. BIO 004)
 - English Composition (e.g. ENG 001A)

NOTE: Applicants must have a minimum overall college GPA of 2.5 and no less than 2.5 GPA for Human Anatomy, Human Physiology, and Microbiology combined, with no grade less than a "C" for each course and no more than one repetition for any of the three courses.

LVN-RN Program Requirements following Admission: Following admission to the program, the following requirements must be met:

- A Physical Exam documented on the Mission College Health Appraisal form, which considers the student free from communicable disease and ability to function in a hospital setting.
- Proof of Immunity to Rubeola, Mumps, Rubella, Hepatitis B, Varicella.
- Evidence of physical and emotional fitness upon admission and throughout the program is expected and is subject to the medical opinion of the college physician.
- Current Cardiopulmonary Resuscitation certification, CPR for Health Care Provider or CPR for Professional Rescuer.
- Criminal background check. If you have been convicted of any offense other than a minor traffic violation, you may not qualify to be licensed as a registered nurse. Each case is reviewed and determined by the California Board of Registered Nursing. The Board considers the nature and severity of the offense, subsequent acts or crimes, compliance with the sanctions, and evidence of rehabilitation. (www.rn.ca.gov)

LVN-to-RN Program Course Requirements After completion of the Role Transition Courses (HOC 050 and 050A): The LVN-to-RN program consists of two additional semesters. Classroom instruction is offered concurrently with clinical experience. The Curriculum has been organized under the standards mandated by the State of California Board of Registered Nursing. General Education course requirements mandated by the Board of Registered Nursing:* The following courses must be taken prior to the last semester of the LVN to RN program. These courses are necessary to be eligible to take the NCLEX to become an RN.

- General Psychology (PSY 001) or Human Psychology (PSY 012) or equivalent
- Public Speaking (COM 001 or equivalent)
- Intermediate Algebra (MAT 000C) or Statistics (MAT 010) or equivalent

LVN-to-RN Thirty-Unit Option: The thirty-unit option allows the LVN to sit for the NCLEX-RN examination after completion of a maximum of thirty units of course work in Health Occupations and related disciplines. Students who elect this option will not be a graduate of the Nursing program and will not receive a degree. The student will receive a license to practice only in the state of California after passing the NCLEX-RN examination. Practice outside the State of California may be limited. A conference with the Director of the LVN-to-RN program regarding the option is required before the student may elect this option as an education pathway.

Program Requirements

Complete all of the following

LVN-to-RN Program Requirements - Role Transition Courses (Total 3)

Complete the following number of credits: 3

HOC050 - Role Transition LVN to RN 2

HOC050A - Role Transition Clinical 1

LVN-to-RN Program Requirements - Semester 1 (Total 10)

Complete the following number of credits: 10

HOC051 - Community Mental Health Nursin 2

HOC052 - Intermediate Medical-Surgical 3

HOC053 - Introduction to Clinical Judgment 1

HOC 054



LVN-to-RN Program Requirements - Semester 2 (Total 11)

Complete the following number of credits: 11

- HOC060 - Advanced Maternal-Child Nursin 2
- HOC061 - Advanced Medical-Surgical Nurs 3
- HOC062 - Leadership and Ethics 1
- HOC064 - Advanced Clinical Practicum 5
- LVN-to-RN Program Requirements - LVN
Advanced-Placement Credit 12
- LVN-to-RN Program Requirements - BRN-mandated General
Education and Competency Requirements (Total 10 - 11)

Complete the following number of credits: 10-11

- COM001 - Public Speaking 3

(Total 4 - 9)

Complete at least one of the following rules

- MAT000C - Intermediate Algebra 5
- MAT010 - Elementary Statistics 4

(Total 3 - 6)

Complete at least one of the following rules

- PSY001 - General Psychology 3
- PSY012 - Human Growth Develop 3

Program Outcomes

- Demonstrate skills required for entry level practice.
- Demonstrate the use of theoretical and clinical skills during the performance of patient care to prepare for employment.
- Successfully pass the courses required to meet eligibility requirements for licensure and/or certification examination.

Vocational Nursing: Associate in Science Degree

The licensed vocational nurse is a member of the health care team and works under the direction of a registered nurse or physician. Students who desire to earn an Associate in Science in Vocational Nursing must complete the college graduation requirements. Classroom theory consists of 10 to 12 hours per week. Approximately 18 hours per week are spent in clinical experiences and three hours per week in clinical simulation. Students must achieve a score of 75% or higher in all core courses and a C or better in all other courses in the program. Upon completion of the program, students are eligible to apply for the national licensing examination (NCLEX-PN). Enrollment is limited. Students may obtain information from the Mission College website, under the Nursing/Health Occupations link, for information-session dates, application process, required courses, and recommended courses prior to entry into the program. Students are encouraged to make an appointment with a counselor for additional information and clarification. There is no recency requirement for required courses; however, you are held strictly accountable for knowledge of their content. It is highly recommended that you refresh your knowledge of these subjects if you took them more than five years ago.

Required Prerequisite Coursework and Certification (prior to admission to the program):

- BIO 022 Anatomy & Physiology for Allied Health Workers 4.0 units.
- HOC 020 Introduction to Professional Health Care 0.5 units.
- Students must provide proof of current California Nursing Assistant certification and AHA BLS-CPR certification.

Admission to the program is required prior to enrollment in Nursing courses. Students are strongly encouraged to complete all General Education requirements for the Associate degree prior to beginning the required courses for the VN program.

Career/Transfer Opportunities: The licensed vocational nurse is a member of the health care team who works under the supervision of a registered nurse or physician. Employment opportunities for the licensed vocational nurse following licensure include sub-acute and extended care facilities, convalescent and rehabilitation institutions, home health agencies, and ambulatory care clinics.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 50.5

Core Requirements (Total 50.5)

Complete all of the following

Core Requirements: Semester One (Total 18)

Complete the following number of credits: 18

- HOC022 - Patient Nursing Care Fundamentals 1.5
- HOC023A - Beg. Medical-Surgical Nursing Theory 2.5
- HOC023B - Beg. Cognitive Disabilities
- Mental Health Theory 1
- HOC024 - Pharmacology A 1
- HOC025A - Fundamentals Skills/Simulation Lab 1
- HOC026A - Beg. Clinical Practicum 5
- HOC027 - Nursing Process and Communication 2
- HOC028 - Care of the Geriatric Patient 1
- Complete PSY001 or PSY001H*
- PSY001 - General Psychology 3
- PSY001H - General Psychology - Honors 3

Semester II (Total 15.5)

Complete the following number of credits: 15.5

- HOC032 - Care of Obstetrical and Neonatal Patients 2
- HOC033A - Int. Medical/Surgical Nursing Theory 2
- HOC033B - Int. Project-Based Medical/
Surgical Reasoning 1.5
- HOC034 - Pharmacology B 1
- HOC035A - Int. Nursing Skills/Simulation Lab 1
- HOC036A - Int. Clinical Practicum 5
- Complete NTR015 or NTR040 0*
- NTR015 - Human Nutrition 3
- NTR040 - Nutrition and Disease 3



Semester III (Total 17)

Complete the following number of credits: 17

- HOC042 - Care of the Pediatric Patient 2
- HOC043A - Advanced Medical/Surgical Theory 2
- HOC043B - Advanced Project-Based Medical Surgical Reasoning 1.5
- HOC044 - Pharmacology C 1
- HOC045A - Advanced Skills/Simulation Lab 1
- HOC046A - Advanced Clinical Practicum 5
- HOC047 - Leadership and Professional Practice 1.5
- PSY012 - Human Growth Develop 3

Program Outcomes

- Students will use the language of the profession of nursing to communicate appropriately using verbal, written and technological methods.
- Students will critically analyze relevant information in the utilization of the nursing process, applying principles of evidence-based practice as needed.
- Students will demonstrate personal and professional growth.
- Students will successfully complete all requirements for eligibility to apply for the Vocational Nursing licensure and pass the national examination.

Vocational Nursing: Certificate of Achievement

The licensed vocational nurse is a member of the health care team and works under the direction of a registered nurse or physician. The certificate requirements consist of three semesters of study. Classroom theory consists of 10 to 12 hours per week. Approximately 18 hours per week are spent in clinical experiences and three hours per week in clinical simulation. Students must achieve a score of 75% or higher in all core courses and a C or better in all other courses in the program. Upon completion of the program, students are eligible to apply for the national licensing examination (NCLEX-PN).

Enrollment is limited. Students may obtain information from the Mission College website, under the Nursing/Health Occupations link, for information-session dates, application process, required courses, and recommended courses prior to entry into the program. Students are encouraged to make an appointment with a counselor for additional information and clarification. There is no recency requirement for required courses; however, you are held strictly accountable for knowledge of their content. It is highly recommended that you refresh your knowledge of these subjects if you took them more than five years ago. Students are advised of **required prerequisite coursework and certification:**

BIO 022 Anatomy & Physiology for Allied Health Workers 4.0 units.
HOC 020 Introduction to Professional Health Care 0.5 units.

Students must provide proof of current California Nursing Assistant certification and AHA BLS-CPR certification.

Career/Transfer Opportunities: The licensed vocational nurse is a member of the health care team who works under the supervision of a registered nurse or physician. Employment opportunities for the licensed vocational nurse following licensure include sub-acute and extended care facilities, convalescent and rehabilitation institutions, home health agencies, and ambulatory care clinics.

Program Requirements

Complete the following number of credits: 50.5

Core Requirements: Semester One (Total 18)

Complete the following number of credits: 18

- HOC022 - Patient Nursing Care Fundamentals 1.5
- HOC023A - Beg. Medical-Surgical Nursing Theory 2.5
- HOC023B - Beg. Cognitive Disabilities - Mental Health Theory 1
- HOC024 - Pharmacology A 1
- HOC025A - Fundamentals Skills/Simulation Lab 1
- HOC026A - Beg. Clinical Practicum 5
- HOC027 - Nursing Process and Communication 2
- HOC028 - Care of the Geriatric Patient 1
- Complete PSY 001 or PSY 001H*
- PSY001 - General Psychology 3
- PSY001H - General Psychology - Honors 3

Core Requirements: Semester Two (Total 15.5)

Complete the following number of credits: 15.5

- HOC032 - Care of Obstetrical and Neonatal Patients 2
- HOC033A - Int. Medical/Surgical Nursing Theory 2
- HOC033B - Int. Project-Based Medical/Surgical Reasoning 1.5
- HOC034 - Pharmacology B 1
- HOC035A - Int. Nursing Skills/Simulation Lab 1
- HOC036A - Int. Clinical Practicum 5
- Complete NTR 015 or NTR 040
- NTR015 - Human Nutrition 3
- NTR040 - Nutrition and Disease 3

Core Requirements: Semester Three (Total 17)

Complete all of the following

- HOC042 - Care of the Pediatric Patient 2
- HOC043A - Advanced Medical/Surgical Theory 2
- HOC043B - Advanced Project-Based Medical Surgical Reasoning 1.5
- HOC044 - Pharmacology C 1
- HOC045A - Advanced Skills/Simulation Lab 1
- HOC046A - Advanced Clinical Practicum 5
- HOC047 - Leadership and Professional Practice 1.5
- PSY012 - Human Growth Develop 3

Program Outcomes

- Students will use the language of the profession of nursing to communicate appropriately using verbal, written and technological methods.
- Students will critically analyze relevant information in the utilization of the nursing process, applying principles of evidence-based practice as needed.
- Students will demonstrate personal and professional growth.
- Students will successfully complete all requirements for eligibility to apply for the Vocational Nursing licensure and pass the national examination.



PHARMACY TECHNICIAN

Pharmacy Technician: Certificate of Completion (Noncredit)

The Certificate of Completion Program in Pharmacy Technician is designed to prepare graduates for work in all areas of pharmacy practice. The program is excellent for recent high school graduates, college students, ex-healthcare workers, those looking for a career change, and anyone who wants entry into the pharmacy or health fields. Mission College's Pharmacy Technician Program provides both theory and real-world application. Participate in over 400 hours of instruction that includes lecture and lab instruction, tutoring, workshop sessions, and hands-on clinical externship training in a pharmacy setting. Lab Activities include simulations of real-life settings and hands-on practice with the dispensing and compounding of drug products, pharmacy software, drug labeling, inventory, and aseptic technique in our state-of-the-art pharmacy lab. Students who successfully complete the program will become eligible for licensure (registration) by the California State Board of Pharmacy and qualify for the Pharmacy Technician Certification Board exam.

Career Opportunities include work in all areas of pharmacy practice.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

- PHT801 - Orientation to Pharmacy Practice
- PHT802 - Pharmacy Law, Communications, and Customer Service
- PHT803 - Pharmacy Medical Terminology and Abbreviations
- PHT804 - Pharmacy Over-the-Counter Products and Devices
- PHT805 - Pharmacy Calculations
- PHT806 - Pharmacology and Pharmaceuticals for Pharmacy Technicians
- PHT807 - Pharmacy Prescription Computer Data Entry
- PHT808 - Managed Care in Pharmacy Practice
- PHT809 - Institutional Pharmacy Practice
- PHT810 - Community Pharmacy Dispensing and Non-Sterile Compounding
- PHT811 - Professional Development for the Pharmacy Technician
- PHT812 - Clinical Pharmacy Preparation and Externship

Program Outcomes

- Use the language of the profession of pharmacy technology to communicate appropriately using verbal, written and technological methods.
- Identify personal and professional growth through retrospection of pharmacy practice.
- Demonstrate knowledge for all pharmacy laws and regulations pertaining to pharmacy practice.



Science, Technology, Engineering and Math

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STEM faculty and students collaborate in diverse disciplines to push the boundaries of knowledge and innovation. Through cutting-edge research, problem-solving, and hands-on experience, the area equips students with the skills and expertise needed to tackle the most pressing challenges facing our world today.

BIOLOGY

Biology: Associate in Science Degree for Transfer

The Associate in Science in Biology for Transfer (AS-T in Biology) offered by Mission College is designed to prepare students who successfully complete the coursework outlined below. Through intensive training in organismal, molecular, and environmental biology, students will develop the ability to think critically and abstractly, as well as acquire the problem-solving and laboratory skills necessary for success in any field of biological science. Students completing this program will have a solid foundation in basic biology, evolutionary theory, and the scientific method, as well as strong preparation in the supporting fields of mathematics, chemistry, and physics. To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 34-35

Core Requirements (Total 10 credits)

Complete the following number of credits: 10

Complete *BIO001A* or *BIO001AH*

BIO001A - General Biology: Cells (5)

BIO001AH - General Biology: Cells - Honors (5)

BIO001B - General Biology: Organisms (5)

List A (Total 24 - 25 credits)

Complete all of the following

Complete *CHM001A* or *CHM001AH*

CHM001A - General Chemistry I (5)

CHM001AH - General Chemistry I - Honors (5)

Complete *CHM001BH* or *CHM001BH*

CHM001B - General Chemistry (5)

CHM001BH - General Chemistry II - Honors (5)

Complete *MAT003A* or *MAT003AH*

MAT003A - Analytic Geometry and Calculus I (5)

MAT003AH - Analytic Geometry and Calculus I - Honors (5)

Complete (*PHY002A* and *PHY002B*)

or (*PHY004A* and *PHY004B*)

PHY002A - General Physics - Mechanics and Thermodynamics (5)

PHY002B - General Physics - Electricity, Magnetism and Optics (5)

PHY004A - Engineering Physics-Mechanics (5)

PHY004B - Engineering Physics-Electricity and Magnetism (4)

Program Outcomes

- Students will apply the scientific method to investigate biological questions by collecting and quantitatively analyzing data
- Students will identify and apply the central concepts, hypotheses, and theories that comprise the major areas of the biological sciences, including cell and organism structure and function.
- Students will explain the genetic or evolutionary connections between biological structures and their function, and between organisms and their environment.
- Follow transfers and transformations of energy and matter through biotic and abiotic systems.

Biological Sciences: Associate in Science Degree

The Associate in Science in Biological Sciences is designed for students interested in acquiring a solid foundation in basic biology, evolutionary theory, and the scientific method. This program is appropriate for students seeking entry-level positions in the life sciences.

Career/Transfer Opportunities: A solid background in the life sciences is required for many careers, including work in the allied health professions, biotechnology, horticulture, land management, and education.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 10 credits)

Complete the following number of credits: 10

Complete BIO001A or BIO001AH

BIO001A - General Biology: Cells (5)

BIO001AH - General Biology: Cells - Honors (5)

BIO001B - General Biology: Organisms (5)

Electives (Total 8 credits)

Complete the following number of credits: 8

ANT001 - Biological Anthropology (3)

BIO004 - Microbiology (5)

BIO010 - Introduction to Biology (3)

BIO010 - Introduction to Biology (3)

BIO010L - Introduction to Biology Lab (1)

BIO011 - Human Biology (4)

Complete BIO012 or BIO012H

BIO012 - Emerging Infectious Diseases (3)

BIO012H - Emerging Infectious Diseases - Honors (3)

Complete BIO014 or BIO014H

BIO014 - Introductory Neuroscience (3)

BIO014H - Introductory Neuroscience - Ho (3)

BIO016 - Marine Biology (4)

Complete BIO017 or BIO017H

BIO017 - Genetics and Society (3)

BIO017H - Genetics and Society - Honors (3)

Complete BIO018 or BIO018H

BIO018 - The Biology of Cancer (3)

BIO018H - The Biology of Cancer - Honors (3)

BIO019 - Oceans: Life in the Sea (3)

Complete BIO025 or BIO025H

BIO025 - Environmental Biology (3)

BIO025H - Environmental Biology - Honors (3)

BIO030 - Tropical Ecology (3)

BIO030L - Tropical Ecology Field Studies (1)

BIO032 - California Plants and Animals (4)

BIO047 - Human Anatomy (5)

Complete BIO048 or BIO048H

BIO048 - Human Physiology (5)

BIO048H - Human Physiology - Honors (5)

Complete CHM001A or CHM001AH

CHM001A - General Chemistry I (5)

CHM001AH - General Chemistry I - Honors (5)

Complete NTR015 or NTR015H

NTR015 - Human Nutrition (3)

NTR015H - Human Nutrition - Honors (3)

Complete NTR040 or 040H

NTR040 - Nutrition and Disease (3)

NTR040H - Nutrition and Disease - Honors (3)

Program Outcomes

- Apply the scientific method to investigate biological questions by collecting and quantitatively analyzing data
- Identify and apply the central concepts, hypotheses, and theories that comprise the major areas of the biological sciences, including cell and organism structure and function
- Explain the genetic or evolutionary connections between biological structures and their function, and between organisms and their environment.
- Follow transfers and transformations of energy and matter through biotic and abiotic systems.

Human Biology: Associate in Science Degree

The Human Biology Associate in Science degree provides a solid foundation in the biological sciences for students who are seeking entry to nursing and related health occupations. Completion of this degree meets all Biology and Chemistry prerequisites for admission to the LVN and LVN-RN programs, and fulfills many of the lower-division requirements for a variety of baccalaureate degrees in Health Sciences. This degree is not intended for pre-medical, pre-dental, or pre-pharmacy students (see A.S. or AS-T in Biological Sciences instead).

Career and Transfer Opportunities: A solid background in human biology is required for many undergraduate majors and careers in the allied-health field.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 24

Core Requirements (Total 15 credits)

Complete the following number of credits: 15

BIO004 - Microbiology (5)

BIO047 - Human Anatomy (5)

Complete BIO048 or BIO048H

BIO048 - Human Physiology (5)

BIO048H - Human Physiology - Honors (5)

Electives (Total 9 credits)

Complete the following number of credits: 9

ANT001 - Biological Anthropology (3)

BIO010 - Introduction to Biology (3)

BIO010L - Introduction to Biology Lab (1)

BIO011 - Human Biology (4)

Complete BIO012 or BIO012H

BIO012 - Emerging Infectious Diseases (3)
 BIO012H - Emerging Infectious Diseases - Honors (3)
Complete BIO014 or BIO014H
 BIO014 - Introductory Neuroscience (3)
 BIO014H - Introductory Neuroscience - Honors (3)
Complete BIO017 or BIO017H
 BIO017 - Genetics and Society (3)
 BIO017H - Genetics and Society - Honors (3)
Complete BIO018 or BIO018H
 BIO018 - The Biology of Cancer (3)
 BIO018H - The Biology of Cancer - Honors (3)
 BIO022 - Anatomy & Physiology for Allied Health Workers (4)
Complete CHM001A or CHM001AH
 CHM001A - General Chemistry I (5)
 CHM001AH - General Chemistry I - Honors (5)
 CHM030A - Fundamentals of Chemistry (4)
 CHM060 - Survey of General, Organic, and Biological Chemistry (4)
 HOC001 - Medical Terminology (3)
Complete NTR015 or NTR015H
 NTR015 - Human Nutrition (3)
 NTR015H - Human Nutrition - Honors (3)
Complete NTR040 or NTR040H
 NTR040 - Nutrition and Disease (3)
 NTR040H - Nutrition and Disease - Honors (3)

Program Outcomes

- Describe the gross and microscopic structure of, and the homeostatic mechanisms controlling, the organ systems of the human body
- Describe the role of normal flora, opportunistic and obligate pathogens in human health and disease
- Describe the molecular basis of biological inheritance, summarize the principles of Mendelian genetics, and explain human genetics including a discussion of various genetic disorders
- Apply the scientific method to investigate biological questions by collecting and quantitatively analyzing data
- Follow transfers and transformations of energy and matter through the human body.

COMPUTER INFORMATION SYSTEMS & TECHNOLOGY

Artificial Intelligence: Certificate of Achievement

The Certificate of Achievement in Artificial Intelligence is designed to provide students with knowledge and skills required for a variety of entry level positions in the field of Artificial Intelligence. The program includes foundation courses in introduction to Artificial Intelligence, data analysis, machine learning, and deep learning.

Program Requirements

Complete the following number of credits: 20

Core Requirements (Total 20 credits)

Complete all of the following

- CIS007 - Python Programming (4)
- CIS050 - Introduction to Artificial Intelligence (4)
- CIS051 - Introduction to Data Analysis (4)
- CIS053 - Introduction to Machine Learning (4)
- CIS054 - Introduction to Deep Learning (4)

Program Outcomes

- Analyze a problem and identify and define the computing and data requirements appropriate to its solution.
- Incorporate AI components and models into system design.
- Apply analytics and machine learning techniques and tools to implement an AI-based design.

Computer Information Systems: Associate in Science Degree

The Associate in Science in Computer Information System is designed to provide students with knowledge and skills required for a variety of positions in the field of computer information technology. The program includes foundation courses in computer information systems and a wide range of skill-builder courses in current topics of technology.

Career/Transfer Opportunities: Career opportunities include the following: Computer System Analyst, Software Developer, Computer Programmer and Other Computer Occupations such as Quality Assurance Engineer and Tester.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 20-22

Core Requirements (Total 12 credits)

Complete all of the following

- CIS007 - Python Programming (4)
- CIS043 - Software Development With Java (4)
- CIS044 - Intro to Data Structures Using Java(4)

Electives (Total 8 credits)

Complete the following number of credits: 8

- CIS008 - Advanced Python Programming (4)
- CIS033 - Robotics and Embedded Systems (4)
- CIS037A - Introduction to C Programming (4)
- CIS039 - Introduction to Computer Systems & Assembly Language (4)
- CIS040 - C++ Programming (4)
- CIS045 - Linux Essentials I (4)
- CIS047 - Linux System Administration (4)
- CIS051 - Introduction to Data Analysis (4)
- CIS055 - Database Management Systems I (3)
- CIS056 - Database Management Systems II (3)
- CIS063 - Mobile Apps Programming - Android (4)
- WRK300GW - General Work Experience (1 - 2)

Program Outcomes

- Analyze a problem, and identify and define the computing requirements appropriate to its solution.
- Apply software development techniques that use the correct syntax and semantics of a programming language to write the source code to implement and test/debug a specified design.
- Use current techniques, skills, and tools necessary for computing practice.

Computer Information Systems: Certificate of Achievement

The Computer Information Systems Certificate of Achievement prepares students to work in the information systems field. The program includes foundation courses in computer information systems and a wide range of skill-builder courses in current topics of technology. Program Learning Outcomes: Students will analyze a problem, identify, and define the computing requirements appropriate to its solution. Students will apply software development techniques that use the correct syntax and semantics of a programming language to write the source code to implement and test/debug a specified design. Students will use current techniques, skills, and tools necessary for computing practice.

Career/Transfer Opportunities: Career opportunities include the following: Computer System Analyst, Software Developer, Computer Programmer and Other Computer Occupations such as Quality Assurance Engineer and Tester.

Program Requirements

Complete the following number of credits: 16-18

Core Requirements (Total 8 credits)

Complete all of the following

- CIS007 - Python Programming (4)
- CIS043 - Software Development with Java (4)

Elective (Total 8 - 10 credits)

Complete the following number of credits: 8-10

- CIS008 - Advanced Python Programming (4)
- CIS033 - Robotics and Embedded Systems (4)
- CIS037A - Introduction to C Programming (4)
- CIS039 - Introduction to Computer Systems & Assembly Language (4)
- CIS040 - C++ Programming (4)
- CIS044 - Intro to Data Structures Using (4)
- CIS045 - Linux Essentials I (4)
- CIS047 - Linux System Administration (4)
- CIS051 - Introduction to Data Analysis (4)
- CIS055 - Database Management Systems I (3)
- CIS056 - Database Management Systems II (3)
- CIS063 - Mobile Apps Programming - Android (4)
- WRK300GW - General Work Experience (1 - 2)

Program Outcomes

- Students will analyze a problem, and identify and define the computing requirements appropriate to its solution.
- Students will apply software development techniques that use the correct syntax and semantics of a programming language to write the source code to implement and test/debug a specified design.

- Students will use current techniques, skills, and tools necessary for computing practice.
- Demonstrate the ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
- Apply software development techniques that use the correct syntax and semantics of a programming language to write the source code to implement and test/debug a specified design.
- Demonstrate the ability to use current techniques, skills, and tools necessary for computing practice.

Cisco CCNA Cybersecurity and Cloud Computing: Certificate of Achievement

The Certificate of Achievement in Cisco CCNA Cybersecurity and Cloud Computing provides essential knowledge and skills for designing, operating, and securing networks in diverse business environments. This program covers IP fundamentals, network security, services, programmability, and automation. It also introduces cloud computing concepts and delves into AWS core services, security, architecture, storage, networking, pricing, and support. Graduates are prepared for globally recognized Cisco CCNA, Cybersecurity Associate, and Cloud Computing Practitioner certifications.

Career/Transfer Opportunities: Career opportunities include the following: Network Administrator, Security Operations Center (SOC) Analyst, IT Support Specialist, Cloud Consultant

Program Requirements

Complete the following number of credits: 19

Core Requirements (Total 19 credits)

Complete all of the following

- CIT013 - AWS 1 Cloud Practitioner- Foundational (3)
- CIT017 - Cyber Security Essentials (4)
- CIT021 - Introduction to Cisco Networks (Cisco-1) (4)
- CIT022 - Switching, Routing, and Wireless Essentials (4)
- CIT023 - Enterprise Networking, Security, and Automation (4)

Program Outcomes

- Install, operate, and troubleshoot medium-sized and enterprise routed and switched networks.
- Analyze and mitigate security threats, implement safeguards, and communicate risk management strategies to protect digital assets in today's interconnected landscape.
- Apply AWS cloud services: Storage, compute, Networking, and Pricing.
- At the end of the program students will be able to: Install, operate, and troubleshoot medium-sized routed and switched networks
- Implement and troubleshoot various protocols to manage addressing, perform load balancing and authentication
- Establish and troubleshoot connection to service provider over WAN.

Computer Network Technology: Associate in Science Degree

The Associate in Science in Computer Networking Technology prepares students to design, administer, maintain, and troubleshoot networks of different sizes. Students learn a diverse array of skills, including specification preparation, network management, network design, equipment and system sales, and software development. Laboratory courses provide students with hands-on experience to demonstrate the principles of enterprise networking. Courses provide learning opportunities for students new to the field, as well as for those who are experienced professionals. Specialized courses are also among the optional electives in this program, available to help students prepare for Cisco Certified Network Associate (CCNA), Cybersecurity, and Microsoft Certified Solutions Associate (MCSA)

Career/Transfer Opportunities: Career opportunities include the following: System Administrator, Network Technician, Network Administrator, and Network Analyst.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 24

Core Requirements (Total 12 credits)

Complete all of the following

- CIT012 - Introduction to Networking (4)
- CIT021 - Introduction to Cisco Networks (4)
- CIT022 - Switching, Routing, and Wireless Essentials (4)

Electives (Total 12 credits)

Complete the following number of credits: 12

- CIT011 - Introduction to Computer Hardware and Software (A+) (4)
- CIT013 - AWS 1 Cloud Practitioner- Foundational (3)
- CIT014 - AWS 2 Solutions Architect- Associate (4)
- CIT016 - IT Security & Ethical Hacking (4)
- CIT017 - Cyber Security Essentials (4)
- CIT018 - CCNA Cyber Security Operations (4)
- CIT023 - Enterprise Networking, Security and Automation (4)
- CIT024 - Implementing and Administering Cisco Networking Technologies (4)
- CIT078 - Microsoft Server Essentials (4)

Program Outcomes

- Students will design and plan a network infrastructure to support specific user and business requirements.
- Demonstrate the ability to design and plan a network infrastructure to support specific user and business requirements
- Students will implement enterprise networks with advanced routing and switching strategies.
- Apply and configure enterprise networks with advanced routing and switching strategies.
- Students will manage and troubleshoot enterprise networks.
- Demonstrate the ability to manage and troubleshoot enterprise networks.

Data Analyst Associate: Certificate of Achievement

The Certificate of Achievement in Data Analytics Associate is designed to provide students with knowledge and skills required for a variety of entry level positions in the field of Data Analytics. The program includes foundation courses in Data Analytics and a wide range of skill-builder courses.

Career/Transfer Opportunities: Career opportunities include the following: Computer System Analyst, Data Analyst, Data Warehousing Specialists, Computer and Information Research Scientists, Operations Research Analysts.

Program Requirements

Complete the following number of credits: 18-19

Core Requirements (Total 11 credits)

Complete all of the following

- CIS007 - Python Programming (4)
- CIS051 - Introduction to Data Analysis (4)
- CIS055 - Database Management Systems I (3)

Electives (Total 7 - 8 credits)

Complete the following number of credits: 7-8

- BUS021L - Introduction to Business Computer Laboratory (1)
- BUS078B - Business Communications (3)
- CAP062B - Introduction to Microsoft Excel (1)
- CAP063B - Intermediate Microsoft Excel (2)
- CIS001 - Introduction to Computer Science and Technology (4)
- CIS056 - Database Management Systems II (3)
- WRK300GW - General Work Experience (1 - 4)

Or any other CIS courses

Program Outcomes

- Students will analyze a problem, and identify and define the computing and data requirements appropriate to its solution.
- Students will apply data analytics techniques and tools to implement and test a specified design.
- Students will communicate and report data findings and solutions using data presentation and visualization tools.



IT Helpdesk Technician: Certificate of Achievement

The goal of the Certificate of Achievement in IT Helpdesk technician is designed to provide students with knowledge and skills required for a variety of entry level positions in the field IT support. The program includes foundation courses that aligned with industry certificates and a wide range of skill-builder courses.

Career/Transfer Opportunities: Career opportunities include the following: Computer User Support Specialist, Computer Network Support Specialist, Network and Computer System Administrators.

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 12 credits)

Complete all of the following

- CIS045 - Linux Essentials I (4)
- CIT011 - Introduction to Computer Hardware and Software (A+) (4)
- CIT012 - Introduction to Networking (4)

Elective (Total 6 credits)

Complete the following number of credits: 6

- BUS021L - Introduction to Business Computer Laboratory (1)
- BUS078B - Business Communications (3)
- CIT017 - Cyber Security Essentials (4)
- CIT021 - Introduction to Cisco Networks (4)
- CIT078 - Microsoft Server Essentials (4)
- WRK300GW - General Work Experience (1 - 4)

Or complete any CIT courses not already taken

Program Outcomes

- Students will install, configure and support computing devices and software.
- Students will connect, maintain and support computing devices on a network.
- Students will advise and support users in their IT needs.

ENGINEERING

Engineering: Associate in Science Degree

Engineers design and create the technology of the future. They use the principles of math, science, and engineering to design and build new products, or to develop large-scale systems such as transportation systems or a water treatment plant. Engineering problems usually involve teams of people, so engineers must work well with others and communicate effectively.

Career/Transfer Opportunities: Career opportunities include the following engineering disciplines: aerospace, architectural, bio-engineering, biomedical, chemical, civil, computer, electrical, environmental, industrial, manufacturing, materials, mechanical, software, and nuclear. More career information can be found at www.bls.gov/oes/current/oes170000.htm

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 48-58

Core Requirements (Total 35 credits)

Complete the following number of credits: 35

Complete *EGR010* or *EGR010H*

- EGR010 - Introduction to Engineering (4)
- EGR010H - Introduction to Engineering - Honors (4)
- MAT003A - Analytic Geometry and Calculus I (5)
- MAT003B - Calculus II (5)
- MAT004A - Multivariable Calculus (4)
- MAT004B - Differential Equations (4)
- PHY004A - Engineering Physics-Mechanics (5)
- PHY004B - Engineering Physics-Electricity and Magnetism (4)
- PHY004C - Engineering Physics-Light and Heat (4)

Complete one of the following tracks (Total 13 - 23 credits)

Complete the following number of credits: 13-23

Mechanical, Aerospace, Manufacturing Engineering or Civil Engineering Track (Total 22 - 23 credits)

Complete the following number of credits: 22-23

- Complete *CHM001A* or *CHM001AH*
- CHM001A - General Chemistry I (5)
- CHM001AH - General Chemistry I - Honors (5)
- EGR023 - Mechanics - Statics (3)
- EGR024 - Introduction to Circuit Analysis (3)
- EGR025 - Engineering Graphics and Design (4)
- EGR026 - Engineering Materials (4)
- Complete *EGR030* or *MAT005*
- EGR030 - Introduction to Computing for Engineers (4)
- MAT005 - Programming and Problem-Solving in MATLAB (3)

Electrical Engineering Track (Total 13 credits)

Complete the following number of credits: 13

- Complete *CHM001A* or *CHM001AH*
- CHM001A - General Chemistry I (5)
- CHM001AH - General Chemistry I - Honors (5)
- EGR024 - Introduction to Circuit Analysis (3)
- EGR024L - Introduction of Circuit Analysis Laboratory (1)
- EGR030 - Introduction to Computing for Engineers (4)

Computer, Software Engineering Track (Total 16 credits)

Complete the following number of credits: 16

- CIS044 - Intro to Data Structures Using (4)
- EGR024 - Introduction to Circuit Analysis (3)
- EGR024L - Introduction of Circuit Analysis Laboratory (1)
- EGR030 - Introduction to Computing for Engineers (4)
- MAT019 - Discrete Mathematics (4)

Program Outcomes

- Students will analyze and interpret experimental results and/or data to make engineering problem decisions.
- Students will use math, science, and engineering concepts to describe, formulate and solve engineering problems.
- Students will communicate the results of design and/or analysis orally and through text and graphics.
- Students will work effectively in teams.

Engineering: Certificate of Achievement

Engineering Certificate: Engineers design and create the future. They use the principles of math, science, and engineering to design and build new products or to develop large-scale systems such as transportation systems or a water treatment plant. Engineering problems usually involve teams of people, so engineers must work well with others and communicate effectively. The Engineering Certificate is modeled after the statewide Engineering Transfer Preparation Certificate and offers four distinct engineering tracks. It is identical to the Engineering AS degree except all general education degree requirements are omitted. In order to transfer to a 4-year college or university, students who complete one of the certificate tracks will also have to complete the minimum admissions requirements for the intended transfer institution. Upon completion of the Engineering Certificate, students will possess the knowledge and skills required for upper-division coursework in Engineering.

Career/Transfer Opportunities: Career opportunities for students who have completed baccalaureate degrees in Engineering include the following engineering disciplines: aerospace, architectural, bio-engineering, biomedical, chemical, civil, computer, electrical, environmental, industrial, manufacturing, materials, mechanical, software, and nuclear. More career information can be found at www.bls.gov/oes/current/oes170000.htm

Program Requirements

Complete the following number of credits: 48-58

Core Requirements (Total 35 credits)

Complete the following number of credits: 35

Complete *ENG010* or *EGR010H*

- EGR010 - Introduction to Engineering (4)
- EGR010H - Introduction to Engineering - Honors (4)
- MAT003A - Analytic Geometry and Calculus I (5)
- MAT003B - Calculus II (5)
- MAT004A - Multivariable Calculus (4)
- MAT004B - Differential Equations (4)
- PHY004A - Engineering Physics-Mechanics (5)
- PHY004B - Engineering Physics-Electricity and Magnetism (4)
- PHY004C - Engineering Physics-Light and Heat (4)

Complete one of the following tracks (Total 13 - 23 credits)

Complete the following number of credits: 13-23

Mechanical, Aerospace, Manufacturing Engineering or Civil Engineering Track (Total 22 - 23 credits)

Complete the following number of credits: 22-23

- Complete *CHM001A* or *CHM001AH*
- CHM001A - General Chemistry I (5)
- CHM001AH - General Chemistry I - Honors (5)
- EGR023 - Mechanics - Statics (3)
- EGR024 - Introduction to Circuit Analysis (3)
- EGR025 - Engineering Graphics and Design (4)
- EGR026 - Engineering Materials (4)
- Complete *EGR030* or *MAT005*
- EGR030 - Introduction to Computing for Engineers (4)
- MAT005 - Programming and Problem-Solving in MATLAB (3)

Electrical Engineering Track (Total 13 credits)

Complete the following number of credits: 13

- Complete *CHM001A* or *CHM001AH*
- CHM001A - General Chemistry I (5)
- CHM001AH - General Chemistry I - Honors (5)
- EGR024 - Introduction to Circuit Analysis (3)
- EGR024L - Introduction of Circuit Analysis Laboratory (1)
- EGR030 - Introduction to Computing for Engineers (4)

Computer, Software Engineering Track (Total 16 credits)

Complete the following number of credits: 16

- CIS044 - Intro to Data Structures Using (4)
- EGR024 - Introduction to Circuit Analysis (3)
- EGR024L - Introduction of Circuit Analysis Laboratory (1)
- EGR030 - Introduction to Computing for Engineers (4)
- MAT019 - Discrete Mathematics (4)

Program Outcomes

- Students will analyze and interpret experimental results and/or data to make engineering problem decisions.
- Students will use math, science, and engineering concepts to describe, formulate and solve engineering problems.
- Students will communicate the results of design and/or analysis orally and through text and graphics.
- Students will work effectively in teams.

MATHEMATICS

Mathematics: Associate in Science Degree for Transfer

The Associate in Science in Mathematics for Transfer is designed to provide a clear pathway to a CSU institution for students who plan to transfer and complete a CSU major or baccalaureate degree in Mathematics. This degree also provides knowledge and skills to support direct entry to the workforce. Mathematics is a multifaceted subject of great beauty and application. Mathematics courses provide the student with a universal language used to study quantities and relationships in all fields. Through the study of mathematics, the student develops the ability to think logically and abstractly, as well as the problem solving and computational skills necessary for success in any field of study.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 23-25

Core Requirements (Total 15 credits)

Complete the following number of credits: 15

- Complete *MAT003A* or *MAT003AH*
- MAT003A - Analytic Geometry and Calculus I (5)
- MAT003AH - Analytic Geometry and Calculus I - Honors (5)
- MAT003B - Analytic Geometry and Calculus II (5)
- MAT004A - Multivariable Calculus (5)

Complete a minimum of 6 units total from List A and List B. One course from List A must be completed. (Total 8 - 10 credits)

Complete all of the following

List A (Total 4 credits)

Complete the following number of credits: 4

MAT004B - Differential Equations (4)

MAT004C - Linear Algebra (4)

List B (Total 4 - 6 credits)

Complete the following number of credits: 4-6

Complete CIS 037A or CIS043 or EGR030

CIS037A - Introduction to C Programming (4)

CIS043 - Software Development with Java (4)

EGR030 - Introduction to Computing for Engineers (4)

Complete MAT010 or MAT010H or MAT010X

MAT010 - Elementary Statistics (4)

MAT010H - Elementary Statistics - Honors (4)

MAT010X - Elementary Statistics with Additional Support (6)

Complete any of the following

PHY004A - Engineering Physics-Mechanics (5)

MAT019 - Discrete Mathematics (4)

Program Outcomes

- Solve mathematical problems using techniques appropriate to the course content and level of study.
- Solve applied problems using mathematical methods appropriate to the course content and level of study.
- Apply technology to analyze and solve mathematical problems.

Mathematics: Associate in Science Degree

Mathematics is a multifaceted subject of great beauty and application. Mathematics courses provide the student with a universal language used to study quantities and relationships in all fields. Through the study of mathematics, the student develops the ability to think logically and abstractly, as well as developing the problem solving and computational skills necessary for success in any field of study.

Career/Transfer Opportunities: Career opportunities include the following: teaching, education, researcher, computer programming, and statistical analysis. To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of AA/AS General Education, IGETC or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 29-34

Core Requirements (Total 23 - 25 credits)

Complete the following number of credits: 23-25

Complete MAT003A or MAT003AH

MAT003A - Calculus I (5)

MAT003AH - Analytic Geometry and Calculus I - Honors (5)

MAT003B - Analytic Geometry and Calculus II (5)

MAT004A - Multivariable Calculus (5)

MAT004B - Differential Equations (4)

MAT004C - Linear Algebra (4)

Complete MAT010 or MAT010H or MAT010X

MAT010 - Elementary Statistics (4)

MAT010H - Elementary Statistics - Honors (4)

MAT010X - Elementary Statistics with Additional Support (6)

List A (Total 3 - 5 credits)

Complete the following number of credits: 3-5

AST001 - Astronomy (3)

AST003 - Astronomy with Lab (4)

BIO010 - Introduction to Biology (3)

CHM002 - Introductory Chemistry (3)

PHY002A - General Physics - Mechanics and Thermodynamics (5)

List B (Total 3 - 4 credits)

Complete the following number of credits: 3-4

CIS007 - Python Programming (4)

CIS037A - Introduction to C Programming (4)

CIS040 - C++ Programming (4)

CIS043 - Software Development with Java (4)

CIS051 - Introduction to Data Analysis (4)

EGR030 - Introduction to Computing for Engineers (4)

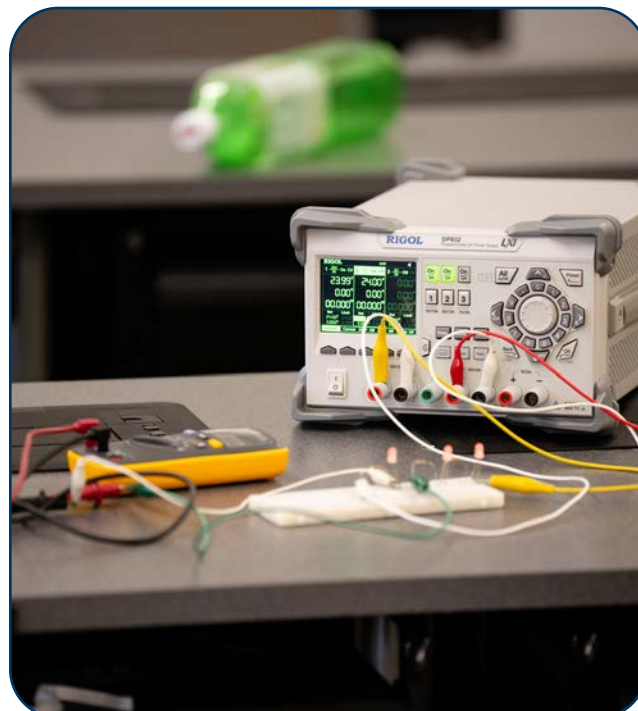
MAT005 - Programming and Problem-Solving in MATLAB (3)

MAT015 - Foundations of Data Science (4)

MAT019 - Discrete Mathematics (4)

Program Outcomes

- Solve mathematical problems using techniques appropriate to the level of study
- Solve applied problems using mathematical methods appropriate to the level of study.
- Apply technology to analyze and solve mathematical problems.



MECHATRONIC TECHNOLOGY

Mechatronic Technology: Associate in Science Degree

Mechatronic technology is an interdisciplinary field that combines the study of mechanics, electronics, automation, and computers. The Associate in Science in Mechatronic Technology is designed to provide students with knowledge and skills required for a variety of positions in the following industries: Advanced Manufacturing/Semiconductor, Electrical/Electronics, Mechanical/Quality, Transportation/Logistics, Electric and Hybrid Vehicles, Medical Equipment, Biotechnology, Aerospace/Defense, and Construction. The program includes a wide range of skill-builder courses.

Career/Transfer Opportunities: Career opportunities include the following: robotics technician, field service technician, industrial maintenance technician, engineering technician, electromechanical technician, research and development technician.

Program Requirements

Complete the following number of credits: 22-24

Core Requirements (Total 12-14 credits)

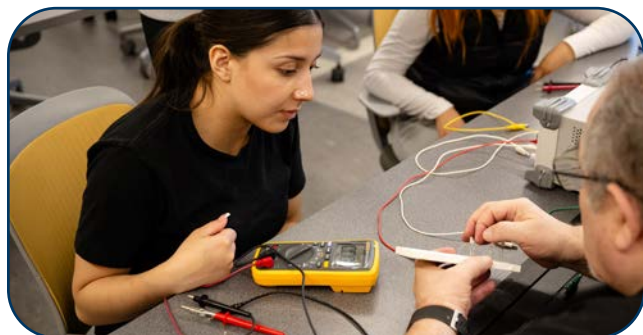
Complete the following number of credits: 12-14

- EGR025 - Engineering Graphics and Design (4)
- MTT010 - Introduction to Technology and Careers (2)
- MTT012 - Electronic Systems Measurement and Troubleshooting (2)
- Complete MAT001 or MAT002
- MAT001 - College Algebra (4)
- MAT002 - Pre-Calculus Algebra and Trigonometry (6)

Electives (Total 10 credits)

Complete the following number of credits: 10

- MTT020 - Programmable Logic Controller (PLC) Process Control Systems 2
- MTT022 - Programmable Logic Controller (PLC) and Robotic System Components 2
- MTT030 - Electrical Motors and Control Systems (2)
- MTT032 - Microcontroller Systems (2)
- MTT034 - Fluid Power Systems (2)
- MTT040 - Analog Circuits and Semiconductor Devices (2)
- MTT042 - Digital Logic Systems (2)
- MTT050 - Digital Manufacturing (2)
- WRK300MT - Occupational Work Experience for Mechatronic Technology (1 - 2)



Program Outcomes

- Analyze and integrate electrical, electronic, and mechanical systems and devices.
- Demonstrate written and verbal communication skills through technical documentation and oral presentations.
- Troubleshoot and repair electrical, electronic, and mechanical systems and devices.

Mechatronic Technology: Certificate of Achievement

Mechatronic technology is an interdisciplinary field that combines the study of mechanics, electronics, automation, and computers. Certificate of Achievement in Mechatronic Technology prepares students to work in various industries. Depending on the course track selected, students gain specialized technical skills in electrical, electronic and/or mechanical industry environment.

Career/Transfer Opportunities: Career opportunities include the following: robotics technician, field service technician, industrial maintenance technician, engineering technician, electromechanical technician, research and development technician.

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 4 credits)

Complete all of the following

- MTT010 - Introduction to Technology and Careers (2)
- MTT012 - Electronic Systems Measurement and Troubleshooting (2)

Elective (Total 14 credits)

Complete the following number of credits: 14

- EGR025 - Engineering Graphics and Design (4)
- MTT020 - Programmable Logic Controller (PLC) Process Control Systems (2)
- MTT022 - Programmable Logic Controller (PLC) and Robotic System Components (2)
- MTT030 - Electrical Motors and Control Systems (2)
- MTT032 - Microcontroller Systems (2)
- MTT034 - Fluid Power Systems (2)
- MTT040 - Analog Circuits and Semiconductor Devices (2)
- MTT042 - Digital Logic Systems (2)
- MTT050 - Digital Manufacturing (2)
- WRK300MT - Occupational Work Experience for Mechatronic Technology (1 - 2)

Program Outcomes

- Analyze and Integrate electrical, electronic, and mechanical systems and devices.
- Demonstrate written and verbal communication skills through technical documentation and oral presentations.
- Troubleshoot and repair electrical, electronic, and mechanical systems and devices.

NUTRITIONAL SCIENCE

Nutrition and Dietetics: Associate in Science Degree for Transfer

The Associate in Science in Nutrition and Dietetics for Transfer introduces students to the principles and methodologies used in the study of nutrition and dietetics. Students will acquire the foundational knowledge necessary to pursue a baccalaureate degree in nutrition and dietetics. To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 27-31

Core Requirements (Total 16 credits)

Complete the following number of credits: 16

- BIO004 - Microbiology (5)
- NTR015 - Human Nutrition (3)
- Complete CHM001A or CHM001AH*
- CHM001A - General Chemistry I (5)
- CHM001AH - General Chemistry I - Honors (5)
- Complete PSY001 or PSY001H*
- PSY001 - General Psychology (3)
- PSY001H - General Psychology - Honors (3)

List A (Total 13 - 14 credits)

Complete the following number of credits: 13-14

- Complete BIO047 or BIO048 or BIO048H*
- BIO047 - Human Anatomy (5)
- BIO048 - Human Physiology (5)
- BIO048H - Human Physiology - Honors (5)
- Complete 012A or CHM012AH*
- CHM012A - Organic Chemistry I (5)
- CHM012AH - Organic Chemistry I - Honors (5)
- Complete MAT010 or MAT010H or SOC016*
- MAT010 - Elementary Statistics (4)
- MAT010H - Elementary Statistics - Honors (4)
- SOC016 - Introduction to Statistics in Social and Behavioral Sciences (3)

List B (Total 4 - 5 credits)

Complete the following number of credits: 4-5

- BIO011 - Human Biology (4)
- CHM030A - Fundamentals of Chemistry (4)
- CHM001B - General Chemistry (5)
- CHM001BH - General Chemistry II - Honors (5)
- Complete CHM002 and CHM002L*
- CHM002 - Introductory Chemistry (3)
- CHM002L - Introductory Chemistry Laboratory (1)

Program Outcomes

- Explain physiological processes such as digestion, absorption, transport and metabolism of nutrients.
- Critically analyze information on nutrition and separate scientifically supported information from misinformation.
- Analyze and explain the relationship between diet, lifestyle and health outcomes, within the framework of cultural and societal influences.
- Biological Sciences, Associate of Science

PHYSICS

Physics: Associate in Science Degree for Transfer

The Associate in Science in Physics for Transfer (AS-T in Physics) provides a foundation in physics and mathematics for students planning to transfer into a baccalaureate program in physics or physics education. Successful completion of the program guarantees the student acceptance to a local California State University to pursue a baccalaureate degree in Physics or a related field. Upon completion of the program, students will understand the principles of physics and be able to apply these theoretical and analytical principles to real world situations.

Career/Transfer Opportunities: Career opportunities include the following: astronomer, architect, chemist, geologist, engineer, physicist, physical scientist, meteorologist and oceanographer.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0,
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 27

Core Requirements (Total 27 credits)

Complete all of the following

- MAT003A - Calculus I (5)
- MAT003B - Calculus II (5)
- MAT004A - Multivariable Calculus (4)
- PHY004A - Engineering Physics-Mechanics (5)
- PHY004B - Engineering Physics-Electricity and Magnetism (4)
- PHY004C - Engineering Physics-Light and Heat (4)

Program Outcomes

- Apply the scientific method to investigate physics problems by collecting and quantitatively analyzing data.
- Upon completion of courses, students will understand the principles of physics and be able to apply these theoretical and analytic principles to real world situations.

PUBLIC HEALTH SCIENCE

Public Health Science: Associate in Science Degree for Transfer

The Associate in Science in Public Health Science for Transfer is designed for students who would like to transfer to a California State University (CSU) to complete a bachelor's degree with a major in Public Health Science or a related field. The degree prepares students to become competent professionals who are responsible for community health/public health disciplines, including health education and related ideas in the changing face of today's health care delivery system. The Associate in Science in Public Health Science for Transfer degree provides a clearly articulated curricular track for students who wish to transfer to baccalaureate degree programs at a California State University (CSU) campus in areas such as Public Health, Health Science, Kinesiology with a Health Education or a Health and Wellness Promotion concentration, Collaborative Health and Human Services with Community Health option, and related fields. For detailed requirements for individual four year institutions, students should contact the transfer institution and meet with a counselor for specific transfer course requirements in their major.

To earn this degree students must meet the following:

- Completion of 60 semester units
- Minimum overall grade point average of 2.0
- Minimum grade of "C" (or "P") for each course in the major, and
- Completion of IGETC And/or CSU GE-Breadth.

Program Requirements

Complete the following number of credits: 34-38

Core Requirements (Total 26 - 29 credits)

Complete the following

- NTR006 - Personal Health and Wellness (3)
- NTR001 - Introduction to Public Health (3)
Complete MAT010 or MAT010H or MAT010X
- MAT010 - Elementary Statistics (4)
- MAT010H - Elementary Statistics - Honors (4)
- MAT010X - Elementary Statistics with Additional Support (6)
Complete (BIO010 and BIO010L) or BIO011
- BIO010 - Introduction to Biology (3)
- BIO010L - Introduction to Biology Lab (1)
- BIO011 - Human Biology (4)
Complete (CHM002 and CHM002L or CHM001A or CHM001AH
- CHM002 - Introductory Chemistry (3)
- CHM002L - Introductory Chemistry Laboratory (1)
- CHM001A - General Chemistry I (5)
- CHM001AH - General Chemistry I - Honors (5)
Complete PSY001 or PSY001H
- PSY001 - General Psychology (3)
- PSY001H - General Psychology - Honors (3)
Complete BIO047 and (BIO048 or BIO048H)
- BIO047 - Human Anatomy (5)
- BIO048 - Human Physiology (5)
- BIO048H - Human Physiology - Honors (5)

List A (Total 3 credits)

Complete the following number of credits: 3

- ECN001A - Principles of Macroeconomics (4)
- ECN001B - Principles of Microeconomics (4)
- PSY045 - Introduction to Human Sexuality (3)
Complete NTR015 or NTR015H
- NTR015 - Human Nutrition (3)
- NTR015H - Human Nutrition - Honors (3)
Complete SOC001 or SOC001H
- SOC001 - Introduction to Sociology (3)
- SOC001H - Introduction to Sociology - Honors (3)

Program Outcomes

- Describe social, political, and economic issues that impact public health and healthcare delivery systems in the United States.
- Explain how functional anatomy and physiological regulations affect health and wellness.
- Apply basic epidemiological principles used to study patterns of disease and injury among diverse populations.
- Explain how social, behavioral, cultural, and environmental factors impact the health status of individuals and populations.



VTA Apprenticeship Programs

Workforce Innovation
Dean: Jeffrey Pallin
Business and Technology (BT),
Room 225A
408) 855-5179

Administrative Specialist: Milani Zepeda
Business and Technology (BT),
Room 225A
(408) 855-5211



With a strong commitment to preparing our students for career success, Workforce Innovation support our VTA transportation apprenticeship programs, work experience opportunities, and career education across the college.

VTA APPRENTICESHIP

Public Transit, Coach Operator: Certificate of Achievement

Upon successful completion of 18 units of course requirements and (2000 hours of related work experience, graduates will be eligible for a Certificate of Completion of Coach Operator Apprenticeship from two government entities: the State of California Department of Industrial Relations, Division of Apprenticeship Standards, and the US Department of Labor, Employment and Training Administration, Office of Apprenticeship. Graduates are employed as Coach Operators, an entry-level position in the mass transit field. A Coach Operator employed by a transit agency can readily transfer/promote into a wide range of transit career positions, if qualified.

Career/ Transfer Opportunities: Career opportunities for qualified persons entering the public transit industry are very diverse. Depending on the student's career interest and courses taken, coach operator graduates find employment as coach operators, light rail operators, dispatchers, supervisors; and are eligible to transfer to other public transit careers such as maintenance, scheduling, or information technology (IT).

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 18)

Complete all of the following

- TRN101 - Foundations of Public Service for Transit Workers (2)
- TRN401 - Coach Operator: New Operator Training I (2)
- TRN402 - Coach Operator: New Operator Training II (5)
- TRN403 - Coach Operator: New Operator Training III (1)
- TRN404 - Coach Operator: New Operator Training IV (1)
- TRN405 - Coach Operator: New Operator Training V (1)
- WRK300TN - Occupational Work Experience for the Transportation Industry (6)

Program Outcomes

- Students will demonstrate the skills needed to immediately contribute to quality, on-time service delivery to the riding public in a dynamic public transit environment.
- Students will display a sound command of both technical (driving) and interpersonal skills in coach operation and passenger relations.
- Students will interact effectively with a diverse community of coworkers and transit customers in order to meet and exceed service delivery objectives.

Public Transit, Leadership: Certificate of Achievement

Upon successful completion of 18 units of course requirements, graduates will be qualified to perform leadership duties at the field level across multiple job classifications within the Operations Division of a transit agency. These duties include apprenticeship mentoring/instruction; and/or field level positions with leadership responsibilities, such as lead worker, foreperson, dispatcher, or supervisor. Program Learning Outcomes: Students will demonstrate basic working knowledge of the functions, inter-relationships, and teamwork required for effective Transit Operations functioning. Students will utilize positive methods and take responsibility for solving problems at the field level whenever possible, within the chain of command. Students will interact effectively with a diverse community of coworkers in order to meet and exceed service delivery objectives.

Career Opportunities: Career opportunities for qualified persons entering the public transit industry are very diverse. Depending on the student's career interest and courses taken, Public Transit Leadership graduates find employment as supervisors for coach operators, light rail operators, and dispatchers; and are eligible to transfer to other public transit careers such as maintenance, scheduling, or information technology (IT).

Program Requirements

Complete the following number of credits: 18

Core Requirements (Total 18)

Complete all of the following

- TRN101 - Foundations of Public Service for Transit Workers (2)
- TRN102 - Public Service and Stress Management for Public Transit Employees (1)
- TRN103 - Community Health Issues for Public Transit Employees (1)
- TRN104 - Peer Mentoring for Public Transit Workers One-on-One Skills (1)
- TRN105 - Group Facilitation and Training Skills for Peer Mentors (1)
- TRN106 - Interpersonal Communication for Transit Workers (1)
- TRN107 - Labor Management Problem Solving in Public Transit (1)
- TRN108 - Performance Coaching for Public Transit Leaders (1)
- TRN109 - Transit Business Technology and Practices for Transit Employees (1)
- TRN110 - Transit Operations for New Leaders (2)
- WRK300TN - Occupational Work Experience for the Transportation Industry (6)

Program Outcomes

- Students will demonstrate basic working knowledge of the functions, inter-relationships, and teamwork required for effective Transit Operations functioning.
- Students will utilize positive methods and take responsibility for solving problems at the field level whenever possible, within the chain of command.
- Students will interact effectively with a diverse community of coworkers in order to meet and exceed service delivery objectives.

Public Transit, Light Rail Operator: Certificate of Achievement

Upon successful completion of 21 units of course requirements and 2000 hours of related work experience, graduates of the Certificate of Achievement in Light Rail Operator will be eligible for a Certificate of Completion of Light Rail Operator Apprenticeship from two government entities: the State of California Department of Industrial Relations, Division of Apprenticeship Standards, and the US Department of Labor, Employment and Training Administration, Office of Apprenticeship. Graduates are employed as Light Rail Operators, an entry-level position in the mass transit field. A Light Rail Operator employed by a transit agency can readily transfer/promote into a wide range of transit career positions, if qualified.

Program Requirements

Complete the following number of credits: 21

Core Requirements (Total 21)

Complete all of the following

- TRN101 - Foundations of Public Service for Transit Workers (2)
- TRN501 - Light Rail Operator Safety Certification (2)
- TRN502 - Light Rail Operator Yard Certification (2)
- TRN503A - Light Rail Infrastructure: Mainline Operation Certification (2.5)

TRN503B - Light Rail Infrastructure: Blue Line Familiarization (2.5)

TRN503C - Light Rail Infrastructure: Orange Line Familiarization (2.5)

TRN503D - Light Rail Infrastructure: Green Line Familiarization (2.5)

TRN504 - Light Rail Train Operations (2)

WRK300TN - Occupational Work Experience for the Transportation Industry 3

Program Outcomes

- Students will demonstrate the skills needed to safely operate light rail vehicles on multiple transit lines in a dynamic public transit environment, while maintaining on-time performance.
- Students will utilize effective personal and interpersonal skills with a diverse community of coworkers and the riding public and deliver professional high quality transit service.
- Students will display a sound command of radio, signals, switches, and physical communication systems skills in light rail vehicle operation.

Public Transit, Overhead Line Worker: Certificate of Achievement

Upon successful completion of 25.5 units of course requirements and 2000 hours of related work experience, students will be eligible for the Overhead Line Worker Apprenticeship approved by the State of California Department of Industrial Relations, Division of Apprenticeship Standards. Graduates are employed as Overhead Line Workers, a high level Way, Power, and Signal maintenance position in the mass transit field. An Overhead Line Worker working at a transit agency can train and promote to Overhead Line Worker Foreperson as the next step in the Way, Power, and Signal maintenance career path. Depending on qualifications, the Overhead Line Worker can also apply for a range of other transit occupations.

Career/ Transfer Opportunities: Career opportunities for qualified persons entering the public transit industry are very diverse. Depending on the student's career interest and courses taken, Overhead Line Worker graduates find employment as line workers and supervisors; and are eligible to transfer to other public transit careers such as maintenance, scheduling, or information technology (IT).

Program Requirements

Complete the following number of credits: 25.5-28.5

Core Requirements (Total 25.5 - 28.5)

Complete all of the following

- TRN141 - Principles of Electricity and Test Equipment (3)
- TRN142 - Electrical Safety for the Trades (2.5)
- TRN143 - DC Theory and Power Components (2)
- TRN144 - Traction Power Safety Practices (2.5)
- TRN151 - Overhead Line Worker Apprenticeship Fundamentals I (2.5)
- TRN152 - Overhead Line Worker Apprenticeship Fundamentals II (2.5)
- TRN153 - Overhead Line Worker Apprenticeship Fundamentals III (2.5)
- TRN154 - Catenary Safe Work Practices (5)
- TRN155 - Mobile Crane - Boom Truck (2)
- WRK300TN - Occupational Work Experience for the Transportation Industry (1 - 4)

Program Outcomes

- Students will perform inspection, maintenance and repair of major overhead line components of a light rail system; and maintain tools, equipment, and vehicles in good operational condition.
- Students will demonstrate effective safety protocols in a high voltage rail system environment.
- Students will interact effectively with a diverse community of coworkers in order to meet and exceed service delivery objectives.

Public Transit, Service Mechanic: Certificate of Achievement

Upon successful completion of 33.5 units of course requirements and 2000 hours of related work experience, graduates will be eligible for a Certificate of Completion, Service Mechanic Apprenticeship from the State of California Department of Industrial Relations, Division of Apprenticeship Standards; and a Certificate of Completion, Automotive Technician Specialist (Service Mechanic) Apprenticeship from the US Department of Labor, Employment and Training Administration, Office of Apprenticeship. Graduates are employed as Service Mechanics, an entry-level maintenance mechanic position in the mass transit field. A Service Mechanic working at a transit agency can train and promote to Transit Mechanic or Overhaul and Repair Mechanic as the next step in the maintenance mechanic career path. The Service Mechanic can also apply for a wide range of other transit occupations, if qualified.

Career/ Transfer Opportunities: Career opportunities for qualified persons entering the public transit industry are very diverse. Depending on the student's career interest and courses taken, Service Mechanic Apprenticeship graduates find employment as mechanics; and are eligible to transfer to other public transit careers such as maintenance, scheduling, or information technology (IT).

Program Requirements

Complete the following number of credits: 33.5

Core Requirements (Total 33.5)

Complete all of the following

- TRN201 - Service Mechanic Orientation & Safety (2.5)
- TRN202 - Service Mechanic Tools & Fasteners (2.5)
- TRN203A - Service Mechanic Electrical Electronics 1 (2.5)
- TRN203B - Service Mechanic Electrical Electronics 2 (2.5)
- TRN204 - Service Mechanic Air Brakes (2.5)
- TRN205 - Service Mechanic: Transmission (2.5)
- TRN206 - Service Mechanic: Diesel Engine (2.5)
- TRN207 - Service Mechanic: Hybrid Familiarization (2.5)
- TRN208 - Service Mechanic: IO Controls (2.5)
- TRN209 - Service Mechanic Preventative Maintenance - PMI (2.5)
- TRN210 - Service Mechanic Overhaul & Repair Orientation (2.5)
- WRK300TN - Occupational Work Experience for the Transportation Industry (6)

Program Outcomes

- Students will demonstrate the skills needed to perform minor repair, inspection, and lubrication of public transit vehicles.
- Students will assist transit mechanics and/or other journey level maintenance mechanics in more difficult mechanical maintenance work.
- Students will interact effectively with a diverse community of coworkers in order to meet and exceed service delivery objectives.

Public Transit, Track Worker: Certificate of Achievement

Upon successful completion of 18.5 units of course requirements and 2000 hours of related work experience, graduates will be eligible for a Certificate of Completion: Track Worker Apprenticeship from the State of California Department of Industrial Relations, Division of Apprenticeship Standards. Graduates are employed as Track Workers, an entry level Way, Power, and Signal maintenance position in the mass transit field. A Track Worker Mechanic working at a transit agency can train and promote to Senior Track Worker as the next step in the Way, Power, and Signal maintenance career path. Depending on qualifications, the Track Worker can also apply for a wide range of other transit occupations.

Career/Transfer Opportunities: Career opportunities for qualified persons entering the public transit industry are very diverse. Depending on the student's career interest and courses taken, Track Worker Apprenticeship graduates find employment as light rail operators, dispatchers, supervisors; and are eligible to transfer to other public transit careers such as maintenance, scheduling, or information technology (IT).

Program Requirements

Complete the following number of credits: 18.5

Core Requirements (Total 18.5)

Complete all of the following

- TRN121 - Way, Power, & Signal Maintenance Core Training I (1)
- TRN122 - Way, Power, & Signal Maintenance Core Training II (1)
- TRN123 - Way, Power, & Signal Maintenance Core Training III (1)
- TRN131 - Basic Principles of Track Maintenance I (2)
- TRN132 - Basic Principles of Track Maintenance II (2)
- TRN133 - Advanced Principles of Track Maintenance I (2)
- TRN134 - Advanced Principles of Track Maintenance II (2.5)
- WRK300TN - Occupational Work Experience for the Transportation Industry (7)

Program Outcomes

- Students will perform inspection, maintenance and repair of major track components of a light rail system; and keep general track area clean and in good operational condition.
- Students will demonstrate effective safety protocols in a high voltage rail system environment.
- Students will interact effectively with a diverse community of coworkers in order to meet and exceed service delivery objectives.

Tutor Training

Academic Services
Dean: Valerie Jensen
Student Engagement Center (SEC),
Room 340E
(408) 855-5464

Administrative Specialist: Tina Cheng
Student Engagement Center (SEC),
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(408) 855-5108



TUTOR TRAINING

Tutoring Skills: Certificate of Completion

This program is to prepare students to become successful tutors. There are two required courses in the program, INS 810 and INS 815. Both courses focus on vital skills and knowledge such as tutoring strategies, learning styles, active listening, problem-solving and best practices for working with a diverse student population. Those skills are in accordance with the qualifications set forth by the College Reading and Learning Association's International Tutor Training Program Certification.

Program Requirements

Complete all of the following

Core Requirements

Complete all of the following

INS810 - Peer Tutor and Mentor Training

INS815 - Advanced Peer Tutors and Mentors Training

Program Outcomes

- Students will plan and conduct sessions using student-centered communication strategies.
- Students will apply appropriate tutoring strategies for helping students at various levels.
- Students will develop various skills to promote active, independent learning.

Accounting (ACC)

ACC 001A - Financial Accounting

4.0 Units

This is the study of accounting as an information system, examining why it is important and how it is used by investors, creditors, and others to make decisions. The course covers the accounting information system, including recording and reporting of business transactions with a focus on the accounting cycle, the application of generally accepted accounting principles, the financial statements, and statement analysis. Included are issues relating to asset, liability, and equity valuation, revenue and expense recognition, cash flow, internal controls, and ethics.

Transferability and General Education

Transferable to both UC and CSU

C-ID Number and Title

- ACCT 110 Financial Accounting

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: Elementary Algebra Skills.

ACC 001B - Managerial Accounting

4.0 Units

This is the study of how managers use accounting information in decision-making, planning, directing operations and controlling. The focus is on cost terms and concepts, cost behavior, cost structure and cost-volume-profit analysis. Included are issues relating to cost systems, cost control, profit planning, and performance analysis in manufacturing and service environments.

Transferability and General Education

Transferable to both UC and CSU

C-ID Number and Title

- ACCT 120 Managerial Accounting

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ACC 001A

Advisory: Elementary Algebra Skills.

ACC 023 - Small Business Accounting

3.0 Units

This course is designed as a non-theoretical, practical approach to accounting with special emphasis on accounting for the smaller business establishments including the basic bookkeeping cycle, petty cash, bank reconciliations, and payroll accounting.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

ACC 033 - Forecasting Financial Statements Using Excel

1.5 Units

In this course students learn how Excel is a useful tool in analyzing and reporting accounting information. Students learn basic and intermediate Excel functions as they prepare key financial statements, account reconciliations, and analyze records such as inventory, long-term assets, and sales. Excel topics start with basic tools including copying, pasting, printing, modifying cells,

and formatting, then progress to formulas, functions, worksheet management, pivot tables, and conditional formatting.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ACC 001A

ACC 034 - Business Financial Planning Using Excel

1.5 Units

This course covers financial planning and analysis models used in accounting and business, while teaching intermediate and advanced Excel commands. Students build Excel spreadsheet models for loan amortization, depreciation, break even analysis, operating and capital budgeting, and financial statements analysis. Key Excel skills covered include working with tables, structured references, a sample of logical and financial functions, macros, charts, and data analysis tools such as Goal Seek.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ACC 001A

ACC 046 - Personal Finance

3.0 Units

Fundamentals of personal finance including financial planning, money management, income and asset protection, and investments. Course material covered includes calculations and problem solving related to budgeting, managing income taxes, building and maintaining good credit, large personal assets purchases, managing property and liability risk, investment fundamentals, and retirement and estate planning.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area B4 - Mathematics/Quantitative Reasoning

AA/AS General Education Requirements

- A-2 - Mathematical Concepts & Quantitative Reasoning

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: High School Algebra I, or equivalent elementary algebra skills.

ACC 051A - Taxation of Individuals

3.0 Units

The course, through problems and case studies, develops a basic understanding of the taxation principles applied to partnerships, corporations, estates and trusts with an emphasis on tax research and written communication skills.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: ACC 051A and Elementary Algebra Skills

ACC 051B - Taxation of Business Entities

3.0 Units

The course, through problems and case studies, develops a basic understanding of the taxation principles applied to partnerships, corporations, estates and trusts with an emphasis on tax research and written communication skills.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: ACC 051A and Elementary Algebra Skills

ACC 052 - Payroll and Business Tax Accounting

3.0 Units

This course offers a thorough study of payroll preparation, payroll taxes, sales and use taxes, and property taxes. Basic payroll procedures used in business are stressed. Various manual and automated methods of payroll preparation are presented.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ACC 001A

Advisory: Elementary Algebra Skills

ACC 057A - Cost Accounting

4.0 Units

The course provides a thorough presentation of cost accounting terminology and concepts, and develops a basic facility in cost accounting techniques and systems. Emphasis is placed on the use of cost accounting data rather than data accumulation. The course covers job order costing, process costing, standard costing, activity-based costing, budgeting, flexible budgeting, cost volume profit analysis, incremental and relevant costing, product pricing, the balanced scorecard, capital budgeting, and management accounting ethics.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: ACC 001B and Elementary Algebra Skills.

ACC 058A - Intermediate Accounting I

4.0 Units

This course is a review of fundamental accounting processes, techniques and principles including control and theory of accounting for assets, correction of prior years' earnings, and measurement and determination of income. Current standards and pronouncements are presented.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ACC 001A

ACC 058B - Intermediate Accounting II

4.0 Units

This course provides a comprehensive study of liabilities, revenue recognition, stockholders' equity, earnings per share, statement of cash flows, pension plans, leases, accounting for income taxes, accounting changes and corrections, and disclosure in financial reporting. Current standards and pronouncements are presented.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ACC 001A

Advisory: ACC 058A and Elementary Algebra Skills.

ACC 059A - Financial Auditing

4.0 Units

The course introduces the student to the audit process and how to render an opinion on published financial statements and related financial reports. The course emphasizes the application of generally accepted auditing standards and procedures, fraud exposure, professional ethics, the legal environment, work paper preparation and report writing.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ACC 001A

Advisory: ACC 058A and ACC 058B

ACC 061 - QuickBooks: Online Software

3.0 Units

Students use QuickBooks Online accounting software to set up, enter transactions, and produce reports using general ledger, accounts receivable, accounts payable, financial statement analysis, depreciation, inventory and payroll modules. It is recommended that students have either completed, or are concurrently enrolled in, ACC 001A or have practical accounting experience.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: ACC 001A



ACC 066 - Accounting for Governmental & Nonprofit Entities

3.0 Units

Study of the theory and practice of accounting for federal, state, and local governmental entities and nonprofit organizations. Topics include analysis and application of pronouncements from the Governmental Accounting Standards Board (GASB); fund accounting, operational and cash budgeting, and operational control issues; transaction analysis, financial statement preparation and analysis, and external reporting issues. Accounting for Governmental & Nonprofit Entities includes topics tested on the Financial Accounting and Reporting (FAR) section of the CPA exam. This course is part of the CPA Exam Preparation Series, which is intended to meet the education requirement to sit for the CPA exam. Students who intend to transfer should take this course at their transfer school.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisites: ACC 001A

Advisory: ACC 001B

ACC 067 - Advanced Accounting

4.0 Units

Advanced Accounting is the last in the series of financial accounting courses. Topics covered in this class include: accounting for consolidations, investments in other corporations, foreign currency transactions, and partnerships. Advanced Accounting includes topics tested on the Financial Accounting and Reporting (FAR) section of the CPA exam. This course is part of the CPA Exam Preparation Series, which is intended to meet the education requirement to sit for the CPA exam. Students who intend to transfer should take this course at their transfer school.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ACC 001A

Advisory: ACC 058A and ACC 058B 001A

Advisory: ACC 058A and ACC 058B

ACC 070 - Ethics in Accounting

3.0 Units

This course involves the study of ethical problems which arise within the contexts of accounting and corporate management. Topics include major ethical theories and the professional code of conduct for accountants, auditors, and tax preparers. The focus is on ethical issues in corporate case studies such as Enron, WorldCom, Sunbeam, and Madoff.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: ACC 001A

ACC 073 - Accounting Information Systems

4.0 Units

Using SAP, an enterprise resource system (ERP) adopted by the majority of Fortune 1000 companies, students will gain valuable and practical skills in Accounting Information Systems, common business processes, basic database designs, and systems controls. The skills built will be useful for individuals planning to take additional higher level business, accounting, and/or information systems classes; seeking careers in the accounting / finance department of organizations; or interested in becoming an auditor, analyst, or consultant.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ACC 001A

ACC 075 - Cloud Computing and Analytics in Accounting

4.0 Units

Students will learn cloud accounting and analytics theory through hands-on exercises using SAP Business By Design. SAP (Systems, Applications, & Products in Data Processing) is the number one Enterprise Resource Planning (ERP) software vendor in the world. Its ByDesign system is a cloud-based ERP solution for small-to-medium enterprises. Students will also use Excel and Power BI for data analytics and visualization capabilities. This course is useful as preparation for higher level business, accounting, and/or analytics courses, for careers in accounting and finance, or for work as an analyst, data scientist, or consultant.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ACC 001A

ACC 077 - Business Processes and Enterprise Resource Planning Systems

4.0 Units

This course examines the relationships and impacts between business processes and enterprise resource planning (ERP) systems to effectively manage major businesses. Students learn the integration concepts, challenges, common practices, and opportunities by doing hands-on configuration cases, using the world's #1 ERP system, SAP. Through various individual and teamwork, students will gain project facilitation exposure, make business decisions, and perform basic analysis utilizing large datasets from the ERP-based business information. This is a key course to take to prepare for the exceptionally marketable SAP Application Associate certification, also known as "TS410 Certified."

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ACC 001A and ACC 073

Anthropology (ANT)

ANT 001 - Biological Anthropology

3.0 Units

This course introduces the concepts, methods of inquiry, and scientific explanations for biological evolution and their application to the human species. Issues and topics will include but are not limited to, genetics, evolutionary theory, human variation, and biocultural adaptations, comparative primate anatomy and behavior, and fossil evidence for human evolution. The scientific method serves as the foundation of the course. The course may include field trips to museums, parks, and field sites.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science

California State University General Education-Breadth (CSU GE-B)

- Area B2 - Biological Sciences

C-ID Number and Title

- ANTH 110 Introduction to Biological Anthropology

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

ANT 001 L - Biological Anthropology Laboratory

1.0 Units

This laboratory course is offered as a supplement to ANT 001, Introduction to Biological Anthropology, either taken concurrently or in a subsequent term. Laboratory exercises are designed to introduce students to the scientific method and explore genetics, human variation, human and non-human primate anatomy and behavior, the primate/hominin fossil record, and other resources to investigate processes that affect human evolution.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area B3 - Laboratory Requirement

C-ID Number and Title

- ANTH 115L Biological Anthropology Lab

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5C - Laboratory Requirements

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite or Corequisite: ANT 001

ANT 002 - Introduction to Archeology

3.0 Units

This course is an introduction to the study of concepts, theories, data, and models of anthropological archaeology that contribute to our knowledge of the human past. The course includes a discussion of the nature of scientific inquiry; the history and interdisciplinary nature of archaeological research; dating techniques; methods of survey, excavation, analysis, and interpretation; cultural resource management; professional ethics; and selected cultural sequences. This course may include field trips to museums, parks, and field sites.

Transferability and General Education

Transferable to both UC and CSU

C-ID Number and Title

- ANTH 150 Introduction to Archaeology

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

ANT 003 - Cultural Anthropology

3.0 Units

This course explores how anthropologists study and compare human culture. Cultural anthropologists seek to understand the broad arc of human experience focusing on a set of central issues: how people around the world make their living (subsistence patterns); how they organize themselves socially, politically and economically; how they communicate; how they relate to each other through family and kinship ties; what they believe about the world (belief systems); how they express themselves creatively (expressive culture); how they make distinctions among themselves such as through applying gender, racial and ethnic identity labels; how they have shaped and been shaped by social inequalities such as colonialism; and how they navigate culture change and processes of globalization that affect us all. Ethnographic case studies highlight these similarities and differences, and introduce students to how anthropologists do their work, employ professional anthropological research ethics and apply their perspectives and skills to understand humans around the globe. C-ID ANTH 120

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

C-ID Number and Title

- ANTH 120 Introduction to Cultural Anthropology

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

Grade Options

Letter Grade Methods

Pass/No Pass



ANT 055 - Magic, Witchcraft and Religion

3.0 Units

This course is a cross-cultural study of beliefs and practices dealing with the supernatural. Using the major theoretical approaches of anthropology, students study the cultural context in which each belief and practice is found, including ritual, symbolism, totems, magic, myth, witchcraft, and pantheism. The cultural function of individual experiences, such as altered states of consciousness, development of a "belief" system, and revitalization are explored.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: ANT 003

Arabic (ARB)

ARB 001 - First Semester Arabic

5.0 Units

ARB 001 is a first-semester introductory course that introduces fundamental concepts of standard Arabic. Comprehension of both written and spoken Arabic is covered, as well as related cultural topics. This course is designed for the beginner. All four language skills (listening, speaking, reading, and writing) are introduced in a cultural context.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 6 - Language other than English

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

ARB 002 - Second Semester Arabic

5.0 Units

ARB 002 is the 2nd-semester course which continues to develop the fundamental concepts of ARB 001, while emphasizing listening and reading comprehension, grammar fundamentals, oral expression, and writing skills in standard Arabic.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities

- Area 6 - Language other than English

AA/AS General Education Requirements

- A-3 - Arts & Humanities Requirements

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ARB 001 or two years high-school Arabic

Art (ART)

ART 001A - Survey of Western Art I

3.0 Units

This course is a chronological survey of painting, sculpture and architecture in Western civilization from Prehistoric through Medieval times. Works of art are viewed within their historical, religious, political, and social context. A museum field trip is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements

- A-3 - Arts & Humanities Requirements

C-ID Number and Title

- ARTH 110 Survey of Western Art from Prehistory through the Middle Ages

Grade Options

Pass/No Pass

Letter Grade Methods

ART 001B - Survey of Western Art II

3.0 Units

This course is a chronological survey of western painting, sculpture and architecture from the Renaissance to Modern times. Works of art are viewed within their historical, religious, political, and social context. The course consists of illustrated lectures and discussion. A museum field trip is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements

- A-3 - Arts & Humanities Requirements

C-ID Number and Title

- ARTH 120 Survey of Western Art from Renaissance to Contemporary

Grade Options

Pass/No Pass

Letter Grade Methods

ART 001D - Art of the 20th Century

3.0 Units

This course provides a general survey of painting, sculpture, and architecture in the Western World, from the Impressionists to the present day, emphasizing the evolution of style and content. The course consists of illustrated lectures and discussion. A museum field trip is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements

- A-3 - Arts & Humanities Requirements

ART 004 - Art Appreciation

3.0 Units

This course offers a study of the themes and purposes, elements of style and principles of design, techniques and media, and terminology of the visual arts as a form of communication. Works of art from many different time periods and cultures are discussed and analyzed. The course consists of illustrated lectures and discussions. A museum field trip is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements

- A-3 - Arts & Humanities Requirements

C-ID Number and Title

- ARTH 100 Understanding Art

Grade Options

Pass/No Pass

Letter Grade Methods

ART 007 - Survey of Asian Art

3.0 Units

This course provides a general survey of the painting, sculpture, architecture and minor arts from prehistoric times to the present day in India, China, Korea, Japan, and Southeast Asia, emphasizing aesthetic, cultural and historical values.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements

- A-3 - Arts & Humanities Requirements

C-ID Number and Title

- ARTH 130 Survey of Asian Art

Grade Options

Letter Grade Methods

Pass/No Pass

ART 011 - The History of Modern Design

3.0 Units

This introductory survey course focuses on the history, perception, and development of design during the Twentieth Century. The students will develop an understanding of the evolution and role of the Modern Movement and how it affects society. The students will explore the evaluation criteria of two-dimensional and three-dimensional design while examining examples of architecture, industrial, graphic, fashion, and interior design. The students will be introduced to influential Twentieth Century design figures and their work.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements

- A-3 - Arts & Humanities Requirements

Grade Options

Pass/No Pass

Letter Grade Methods

ART 031 A - Beginning Drawing

3.0 Units

This is a beginning drawing course for students with no previous drawing experience. Students work from observation, directed toward realistic rendering of objects through line, shading, pictorial composition and perspective.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements

- A-3 - Arts & Humanities Requirements

C-ID Number and Title

- ARTS 110 Fundamentals of Drawing

Grade Options

Pass/No Pass

Letter Grade Methods

ART 031 B - Intermediate Drawing

3.0 Units

This is an intermediate course for students with previous college-level drawing experience. This course emphasizes refinement of drawing skills and in-depth concentration on composition and color.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities Requirements

C-ID Number and Title

- ARTS 205 Intermediate Drawing

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ART 031A

ART 032 - Digital Drawing

3.0 Units

This is a beginning digital drawing course for students. Using mobile devices and stylus pens, students work from observation, directed toward realistic rendering of objects through line, shading, pictorial composition and perspective. Areas of exploration include storyboarding, character design, logo, icon, and hand lettering. Students will learn how to use illustration software programs to create commercial screen graphics, video recordings, and printmaking. This course is cross-listed with GDS 032.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities Requirements

Grade Options

Pass/No Pass



ART 033A - Basic Design: Two-Dimensional

3.0 Units

This course is an introduction to the principles and elements of two-dimensional design and composition.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements

- A-3 - Arts & Humanities Requirements

C-ID Number and Title

- ARTS 100 2D Foundations

Grade Options

Pass/No Pass

Letter Grade Methods

ART 033B - Basic Design: Three-Dimensional

3.0 Units

This course introduces students to the elements and principles of design as they apply to three-dimensional forms. Emphasis is on contemporary design methods using formats, techniques, tools and materials appropriate to three-dimensional concepts.

Transferability and General Education

Transferable to both UC and CSU

WVM AA/AS General Education Requirements. Effective 2024.

- A-3 - WVM Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

Student Learning Outcomes

- Utilize design elements and principles, tools and materials to develop original three-dimensional projects.
- Apply critical thinking and creative problem-solving to create projects that demonstrate an understanding of three-dimensional concepts.

Units and Contact Hours

- Minimum Credit Units: 3.0
- Maximum Credit Units: 3.0
- Total Course In-Class (Contact) Hours: 108.0
- Total Course Out-of-Class Hours: 54.0
- Total Student Learning Hours: 162.0

ART 033C - Basic Design: Color

3.0 Units

This course is an introduction to the principles and elements of color.

Transferability and General Education

Transferable to both UC and CSU

C-ID Number and Title

- ARTS 270 Color Theory

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ART 033A

ART 034A - Introduction to Digital Art

3.0 Units

This course is an introductory computer art course. The course introduces students to microcomputers and visual design software. Applications that manipulate flat images and 3D space are explored. This course introduces the student to basic design elements and principles. Linear perspective is covered, and projects that focus on line, shape, form, the illusion of deep space, and color are pursued. Students learn the basic procedures needed to use computers and related peripheral devices.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

ART 034B - Advanced Digital Art

3.0 Units

This is an advanced course combining computer graphics and fine arts image processing. The course utilizes micro-computers to create and manipulate images. It introduces the student to advanced concepts and principles. Specific projects are executed related to unity, variety, rhythm/pattern, color, movement, balance, computer particle animation and 3D modeling techniques. Students learn techniques for file management and data backup and recovery, and peripheral devices as creative tools for the artist.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

ART 035A - Life Drawing: Introduction

3.0 Units

This course is a fundamental study of the human figure as the main subject matter of drawings and its use as a means of artistic expression.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements

- A-3 - Arts & Humanities

C-ID Number and Title

- ARTS 200 Figure Drawing

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ART 031A

ART 035B - Life Drawing: Beginning

3.0 Units

This course is a low intermediate study of the human form and structure. It emphasizes creative interpretation and use of the human form for artistic expression. It focuses on drawing the live model in a variety of styles and media.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: 035A

ART 035C - Life Drawing: Intermediate

3.0 Units

This course is a high intermediate study of the human form and structure. It emphasizes creative interpretation and use of the human form for artistic expression. It focuses on drawing the live model in a variety of styles and media.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: 035B

ART 035D - Life Drawing: Advanced

3.0 Units

This course is an advanced study of the human form and structure. It emphasizes creative interpretation and use of the human form for artistic expression. It focuses on drawing the live model in a variety of styles and media.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: 035C

ART 039A - Survey of Printmaking

3.0 Units

Course covers various techniques and media used in fine art printmaking. It explores the use of the etching press as well as other transfer tools used in making the printed image. In addition, the course explores the development of printing plates, i.e., intaglio, monotype, collagraph and others. Media includes both water-based inks as well as the more traditional oil based inks and paints.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass



ART 047A - Watercolor: Introduction

3.0 Units

This course is an introduction to painting using various water base media, with a focus on color mixing, composition, and content.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

ART 047B - Watercolor: Beginning

3.0 Units

This course provides continuing instruction in watercolor techniques, exploration of watercolor styles, and personal development of the student's artistic direction.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 047A

ART 047C - Watercolor: Intermediate

3.0 Units

This is a high intermediate level painting course with various water base media.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART047B

ART 047D - Watercolor: Advanced

3.0 Units

This course is advanced level painting with various water base media.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 047C

ART 048A - Airbrush Painting: Introduction

3.0 Units

This course is an introduction to the airbrush as a painting tool. Students explore water-based media, principles of color, transparency, masking techniques, and composition.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ART 031A

ART 048B - Airbrush Painting: Beginning

3.0 Units

This course is low intermediate studio practice which focuses on strengthening the basic skills learned in ART 048A.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 048A

ART 048C - Airbrush Painting: Intermediate

3.0 Units

This course is high intermediate studio practice which focuses on a continued progression of intermediate techniques and portfolio development.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 048B

ART 048D - Airbrush Painting: Advanced

3.0 Units

This course is advanced studio practice which focuses on advanced techniques and portfolio development.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 048C

ART 049A - Painting: Introduction

3.0 Units

This course is an introduction to traditional and contemporary painting techniques and media.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

ART 049B - Painting: Beginning

3.0 Units

This course is low intermediate studio practice which focuses on strengthening the basic skills learned in ART 049A. Emphasis is placed upon self-expression, composition, and color theory.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ART 049A

ART 049C - Painting: Intermediate

3.0 Units

This course is high intermediate studio practice which focuses on mixed media, self-expression, composition, and content.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ART 049B

ART 049D - Painting: Advanced

3.0 Units

This course is advanced studio practice which focuses on developing individual style and direction in painting.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ART 049C



ART 065A - Ceramics-Handbuilding: Introduction

3.0 Units

ART 065A is an introductory course in ceramic hand-building techniques. Students learn the physical properties of clay and other ceramics materials, ceramic decorative techniques, 2-dimensional and 3-dimensional design, and use this knowledge to express themselves creatively.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

ART 065B - Ceramics-Handbuilding: Beginning

3.0 Units

ART 065B is a beginning-to-low intermediate course in ceramics/hand-building techniques, firing kilns, clay body construction, and ceramic development of projects directed toward individualized self-expression. Topics also include intermediate techniques in decoration and an in-depth study of two and three dimensional ceramic design.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 065A

ART 065C - Ceramics-Handbuilding: Intermediate

3.0 Units

ART 065C is an intermediate-to-advanced course in hand-building ceramics that focuses on different aspects of ceramics providing students with supervised participatory experience in which artistic skills are enhanced by repetition and practice.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ART 065B

ART 065D - Ceramics-Handbuilding: Advanced

3.0 Units

ART 065D is an advanced course in hand-building ceramics that focuses on developing mastery in different aspects of ceramics, providing students with supervised participatory experience in which artistic skills are enhanced by repetition and practice.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 065C

ART 067A - Ceramics-Potter's Wheel: Introduction

3.0 Units

ART 067A is an entry-level course that introduces students to those basic skills and techniques of the potter's wheel needed to create a variety of ceramic forms. Instruction includes clay and glaze formulation, construction, and stacking and firing of ceramic kilns. Students develop aesthetic awareness of three-dimensional design.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

ART 067B - Ceramics-Potter's Wheel: Beginning

3.0 Units

ART 067B is a beginning-level course in working on the potter's wheel. The course is directed toward: refinement of skills on the potter's wheel, production throwing techniques, advanced kiln firing techniques, clay compositions, thrown sculpture, and combining hand and wheel techniques. Focus is on developing a personal design style.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 067A

ART 067C - Ceramics-Potter's Wheel: Intermediate

3.0 Units

ART 067C focuses on building intermediate-level technical skills in working with the potter's wheel.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 067B

ART 067D - Ceramics-Potter's Wheel: Advanced

3.0 Units

ART 067D is an advanced course in using the Potter's Wheel that focuses on developing and refining advanced skills in building specialized clay bodies for a variety of glaze firing, specialized glazes for specific glaze characteristics, and specific artistic styles.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 067C

ART 075A - Metalsmithing: Introduction

3.0 Units

This studio course introduces metalsmithing techniques used in sculpture and jewelry. Emphasis is on fabrication techniques and materials used in metal arts, including soldering, welding, cold connections, forging and forming.

Transferability and General Education

Transferable to CSU only

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: ART 033A and ART 033B

ART 075B - Metalsmithing: Beginning

3.0 Units

This studio course continues the study of metalsmithing techniques used in sculpture and jewelry. Emphasis is on concept development and fabrication methods and materials used in metal arts.

Transferability and General Education

Transferable to CSU only

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 075A

ART 075C - Metalsmithing: Intermediate

3.0 Units

This intermediate studio course focuses on metalsmithing techniques used in sculpture and jewelry. Emphasis is on concept development, project planning, and fabrication methods and materials used in metal arts.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 075B

ART 075D - Metalsmithing: Advanced

3.0 Units

This advanced studio course focuses on complex metalsmithing techniques used in sculpture and jewelry. Emphasis is on concept development and refining technical skills used in metal arts.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 075C

ART 078A - Furniture Design and Woodworking: Introduction

3.0 Units

ART 078A develops basic, introductory technical skills in furniture design, construction and finishing. The emphasis is on individual design and innovative use of materials in the construction.

Transferability and General Education

Transferable to CSU only

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: ART 033B

ART 078B - Furniture Design and Woodworking: Beginning

3.0 Units

ART 078B introduces beginning to low-intermediate techniques and design skills in furniture construction. The students develop individual and/or group projects under the direction of the instructor, focusing on special aspects of furniture and woodworking.

Transferability and General Education

Transferable to CSU only

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 078A

ART 078C - Furniture Design and Woodworking: Intermediate

3.0 Units

ART 078C is an intermediate-to-advanced level course in woodworking and furniture design which involves furniture construction techniques and equipment not covered in previous levels. Topics include advanced cabinetry techniques and complex joinery.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 078B

ART 078D - Furniture Design and Woodworking: Advanced

3.0 Units

ART 078D is an advanced course in woodworking and furniture design. Fourth in the series, this course allows students to work independently to continue to refine previously mastered design and technical skills, and to prepare for careers in the industry.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 078B

ART 085A - Sculpture: Introduction

3.0 Units

ART 085A is an introductory course in sculpture emphasizing individual expression. Subtractive, additive and fabrication techniques including modeling, casting and carving are covered. Utilizing clay, wood, plaster and metal in construction are covered as well.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: ART 031A and ART 033B

ART 085B - Sculpture: Beginning

3.0 Units

ART 085B builds on skills and concepts learned in ART 085A, and introduces new techniques. Students explore the development of a personal style of sculpture design.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 085A

ART 085C - Sculpture: Intermediate

3.0 Units

ART 085C is an intermediate-level course in sculpture which provides students with an opportunity to build on previous experience and explore new techniques. ART 085C focuses on different aspects of course content with supervised participatory experience.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 085B



ART 085D - Sculpture: Advanced

3.0 Units

ART 085D is an advanced course that focuses on different aspects of sculpture providing students with supervised participatory experience in which artistic skills are enhanced by repetition and practice.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: ART 085C

ART 088A - Metal Sculpture Casting: Introduction

3.0 Units

ART 088A is a basic course in metal sculpture casting. Students develop skills in lost wax and lost foam techniques with an emphasis on three-dimensional design.

Transferability and General Education

Transferable to CSU only

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: ART 033B and ART 085A

ART 088B - Metal Sculpture Casting: Beginning

3.0 Units

This course is a study of the metal casting process which introduces new techniques and skill-building assignments, as well as development of a personal form.

Transferability and General Education

Transferable to CSU only

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ART 088A

ART 088C - Metal Sculpture Casting: Intermediate

3.0 Units

ART 088C is an intermediate-level course that focuses on different aspects of metal sculpture casting. It provides students with supervised participatory experience in which artistic skills are enhanced by repetition and practice.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ART 088B

ART 088D - Metal Sculpture Casting: Advanced

3.0 Units

ART 088D is an advanced course that focuses on refining advanced techniques in different aspects of metal sculpture casting. It provides students with supervised participatory experience in which artistic skills are enhanced by repetition and practice.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ART 088C

Astronomy (AST)

AST 001 - Astronomy

3.0 Units

This course is a descriptive astronomy lecture-only course covering the entire panorama of the universe, including early human observations, the origin and structure of the solar system, and the properties, origin and evolution of stars, galaxies and cosmology.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science

- California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

AST 003 - Astronomy with Lab

4.0 Units

This course covers the entire panorama of the universe from the observations of the night sky to the origin and structure of the planets, stars, galaxies and the universe. The laboratory portion of the course includes practical experience with the methods of astronomy using computers and other equipment.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science

- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences

- Area B3 - Laboratory Requirement

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

AST 003H - Astronomy with Lab - Honors

4.0 Units

This course covers the entire panorama of the universe from the observations of the night sky to the origin and structure of the planets, stars, galaxies and the universe. The laboratory portion of the course includes practical experience with the methods of astronomy using computers and other equipment. Students cannot get credit for both AST 003 and AST 003H. Enrollment in the Honors Transfer Project is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science

- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences

- Area B3 - Laboratory Requirement

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

AST 004 - Astrobiology - Life in the Universe

3.0 Units

This course applies the disciplines of astrophysics, biology, chemistry, geology, and planetary science to the possibility of life in the Universe outside of the Earth. Students study the astronomical, geological and physical environmental factors that determine habitability. Students further consider the chemical basis for life, the origin and evolution of life on Earth, the constraints of life on Earth, and the markers of life that may be seen in other places in the solar system as well as outside of the solar system.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

Biological Sciences (BIO)

BIO 001A - General Biology: Cells

5.0 Units

This course is a comprehensive introduction to cell and molecular biology, and is designed for students pursuing degrees in biology or professional programs such as medicine or pharmacy. Topics addressed in lecture and lab include biochemistry, the structure and function of prokaryotic and eukaryotic cells, cellular metabolism, prokaryotic and eukaryotic gene expression and regulation, and selected topics in human physiology.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science

- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B2 - Biological Sciences

- Area B3 - Laboratory Requirement

AA/AS General Education Requirements

- A-5 - Natural Sciences

C-ID Number and Title

- BIOL 190 Cell and Molecular Biology

BIOL 135 S Biology Sequence for Majors (when taken with BIO 001B or BIO 001BH)

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: (BIO 010 or BIO 011) and (CHM 001A or CHM 001AH) and Intermediate Algebra skills

Advisory: CHM 001B or CHM 001BH

BIO 001AH - General Biology: Cells - Honors

5.0 Units

This honors course is a comprehensive introduction to cell and molecular biology, and is designed for students pursuing degrees in biology or professional programs such as medicine or pharmacy. Topics addressed in lecture and lab include biochemistry, the structure and function of prokaryotic and eukaryotic cells, cellular metabolism, and prokaryotic and eukaryotic gene expression and regulation. Honors projects include a comprehensive literature review and presentation on a topic of interest to the student. Students may not receive credit for both BIO 001A and BIO 001AH. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area B2 - Biological Sciences

- Area B3 - Laboratory Requirement

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science

- Area 5C - Laboratory Requirements

AA/AS General Education Requirements

- A-5 - Natural Sciences

C-ID Number and Title

- BIOL 190 Cell and Molecular Biology

BIOL 135 S Biology Sequence for Majors (when taken with BIO 001B or BIO 001BH)

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: (BIO 010 or BIO 011) and (CHM 001A or CHM 001AH) and Intermediate Algebra skills)

Advisory: CHM 001B or CHM 001BH

BIO 001B - General Biology: Organisms

5.0 Units

BIO 001B is an introduction to organisms and higher levels of biological organization. It examines the unity and diversity of multicellular life, ecological and evolutionary principles, and form/function relationships in plants and animals. The course is designed for students majoring in the biological sciences or seeking entry to professional programs such as Medicine, Pharmacy, and Dentistry.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science

- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B2 - Biological Sciences

- Area B3 - Laboratory Requirement

AA/AS General Education Requirements

- A-5 - Natural Sciences

C-ID Number and Title

• BIOL 135 S Biology Sequence for Majors (when taken with BIO 001A or BIO 001AH)

BIOL 130 S Organismal Biology, Ecology and Evolution (when taken with BIO 001A or BIO 001AH)

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: BIO 001A or BIO 001AH

BIO 001BH - General Biology: Organisms - Honors

5.0 Units

BIO 001B is an introduction to organisms and higher levels of biological organization. It examines the unity and diversity of multicellular life, ecological and evolutionary principles, and form/function relationships in plants and animals. The course is designed for students majoring in the biological sciences or seeking entry to professional programs such as Medicine, Pharmacy, and Dentistry. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science

- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B2 - Biological Sciences

- Area B3 - Laboratory Requirement

AA/AS General Education Requirements

- A-5 - Natural Sciences

C-ID Number and Title

• BIOL 135 S Biology Sequence for Majors (when taken with BIO 001A or BIO 001AH)

• BIOL 130 S Organismal Biology, Ecology and Evolution (when taken with BIO 001A or BIO 001AH)

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: BIO 001A or BIO 001AH

BIO 004 - Microbiology

5.0 Units

This survey course in microbiology is intended for nursing and other health-science majors. Lecture topics include the morphology and physiology of the major groups of microorganisms, bacterial and viral genetics, mechanisms of infection and disease, and the human immune response to infection. Laboratory activities focus on techniques employed in the culture and identification of bacteria of medical importance.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science

- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B2 - Biological Sciences

- Area B3 - Laboratory Requirement

AA/AS General Education Requirements

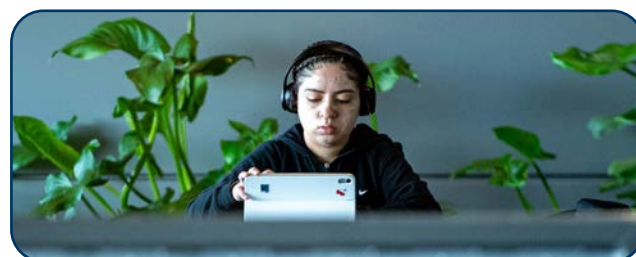
- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ((BIO010 and BIO010L) or BIO011 or BIO001A or BIO022) and (CHM 030A or CHM 001A or CHM 060)



BIO 010 - Introduction to Biology

3.0 Units

BIO 010 is an introductory course in biology designed for the non-biological sciences major. Topics include cell structure and function, energy exchange and life processes, taxonomy, ecology, heredity, diversification and evolution. This lecture course may be taken with or without BIO 010L, Introduction to Biology Lab.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science
- California State University General Education-Breadth (CSU GE-B)
- Area B2 - Biological Sciences
- AA/AS General Education Requirements
- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

BIO 010L - Introduction to Biology Lab

1.0 Units

This is an introductory general biology laboratory course designed for non-science majors. It reinforces biological principles presented in BIO 010 using laboratory and field exercises.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5C - Laboratory Requirements
- California State University General Education-Breadth (CSU GE-B)
- Area B3 - Laboratory Requirement
- AA/AS General Education Requirements
- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite or Corequisite: BIO 010

BIO 011 - Human Biology

4.0 Units

This course is an introduction to biology, with an emphasis on human beings. The principles and concepts of biology are covered, including the scientific method, cells, genetics, evolution, ecology, and basic anatomy and physiology of humans.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science
- Area 5C - Laboratory Requirements
- California State University General Education-Breadth (CSU GE-B)
- Area B2 - Biological Sciences
- Area B3 - Laboratory Requirement
- AA/AS General Education Requirements
- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

BIO 012 - Emerging Infectious Diseases

3.0 Units

This course is an introduction to infectious diseases and the microbes that cause them. Recent outbreaks of human diseases are explored, as well as interrelationships between infectious disease agents, human biology, and the environment. Clinical approaches and surveillance methods to detect, investigate, and monitor emerging pathogens and bioterrorism agents are discussed.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science
- California State University General Education-Breadth (CSU GE-B)
- Area B2 - Biological Sciences
- AA/AS General Education Requirements
- A-5 - Natural Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

BIO 012H - Emerging Infectious Diseases - Honors

3.0 Units

This honors course is a comprehensive introduction to infectious diseases and the microbes that cause them. Recent outbreaks of human diseases are explored, as well as interrelationships between infectious disease agents, human biology, and the environment. Clinical approaches and surveillance methods to detect, investigate, and monitor emerging pathogens and bioterrorism agents are discussed. Honors projects include a comprehensive literature review and presentation on a topic of interest to the student. Students may not receive credit for both BIO 012 and BIO 012H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science
- California State University General Education-Breadth (CSU GE-B)
- Area B2 - Biological Sciences
- AA/AS General Education Requirements
- A-5 - Natural Sciences

Grade Options

Pass/No Pass

Letter Grade Methods



BIO 014 - Introductory Neuroscience

3.0 Units

This course is an introduction to the organization and functions of the nervous system. The physiology of the brain and senses are discussed. Emotions, sleep, language, attention, memory, and a survey of nervous system disorders are explored.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area B2 - Biological Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

BIO 014H - Introductory Neuroscience - Honors

3.0 Units

This honors course is an introduction to the organization and functions of the nervous system. The physiology of the brain and senses are discussed. Emotions, sleep, language, attention, memory and a survey of nervous system disorders are explored. Students may not receive credit for both BIO 014 and BIO 014H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area B2 - Biological Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: (ENG 001A or ENG 001AX) and REA 054

BIO 016 - Marine Biology

4.0 Units

Marine Biology is an introduction to ocean environments and marine life. General ecological principles, biodiversity and marine conservation issues are emphasized. Human activities that modify ocean ecosystems are examined. Discussions include overviews of characteristics and the inhabitants of a variety of marine ecosystems, such as: rocky and sandy shores, estuaries, kelp forests, coral reefs, continental shelves, the open ocean and the deep sea. This field-intensive course has seven required field trips in the San Francisco and Monterey bays, allowing students to investigate ocean life in our local marine environments. This four-unit science course with lab is open to students of all majors.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science

- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B2 - Biological Sciences

- Area B3 - Laboratory Requirement

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

BIO 017 - Genetics and Society

3.0 Units

This course is a broad survey of genetics, with a focus on the societal impacts of topics in genetics such as human genetic disease, biotechnology, reproductive technologies, and evolution. It is designed for the general education student.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science

California State University General Education-Breadth (CSU GE-B)

- Area B2 - Biological Sciences

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

BIO 017H - Genetics and Society - Honors

3.0 Units

This course is a broad survey of genetics, with a focus on the societal impacts of topics in genetics such as human genetic disease, biotechnology, reproductive technologies, and evolution. The honors component involves an in-depth analysis of specific topics, using current information from research journals. Students cannot get credit for both BIO 017 and BIO 017H. Enrollment in the Honors Program.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area B2 - Biological Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Pass/No Pass

Letter Grade Methods



BIO 018 - The Biology of Cancer

3.0 Units

This course introduces the basic principles underlying the development and treatment of cancer. Normal cell biology processes are contrasted with the genetic and cellular changes that lead to the development of cancer. Current topics in scientific and clinical research on cancer biology will be explored.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science
- California State University General Education-Breadth (CSU GE-B)
- Area B2 - Biological Sciences
- AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

BIO 018H - The Biology of Cancer - Honors

3.0 Units

This honors course introduces the basic principles underlying the development and treatment of cancer. Normal cell biology processes are contrasted with the genetic and cellular changes that lead to the development of cancer. Current topics in scientific and clinical research on cancer biology will be explored. This is the honors version of BIO 018. Students cannot get credit for both BIO 01 and BIO 018H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science
- California State University General Education-Breadth (CSU GE-B)
- Area B2 - Biological Sciences
- AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

BIO 019 - Oceans: Life in the Sea

3.0 Units

This non-majors course surveys the biological principles of marine science. It provides an overview of the ocean environment and examines the diversity of marine life, basic ecological principles and major marine ecosystems. The relationship between humans and the ocean is emphasized, with a focus on conservation biology and sustainability.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science
- California State University General Education-Breadth (CSU GE-B)
- Area B2 - Biological Sciences
- AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

BIO 022 - Anatomy & Physiology for Allied Health Workers

4.0 Units

This course is an overview of the normal structure and function of the human body and is designed to provide a foundation for the study of disease and dysfunction in the clinical setting. Laboratory work includes dissection of preserved materials. BIO-022 is designed to meet the state board requirements for the vocational nursing and psychiatric technician programs.

Transferability and General Education

Transferable to CSU only

California State University General Education-Breadth (CSU GE-B)

- Area B2 - Biological Sciences
- Area B3 - Laboratory Requirement
- AA/AS General Education Requirements
- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: Elementary Algebra Skills

BIO 025 - Environmental Biology

3.0 Units

This course provides a scientific examination of the ecological interrelationships between humans and the environment. By understanding general ecological principles and major ecosystems on earth, we can evaluate how the human population impacts our planet by its growth and resource use, and what the implications are for ecosystems, biodiversity, as well as human health and welfare. Topics include: human population growth, food and water supplies, pollution, global climate change, energy use and sustainable development.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science
- California State University General Education-Breadth (CSU GE-B)
- Area B2 - Biological Sciences
- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-5 - Natural Sciences
- A-7 - Lifelong Learning
- C-ID Number and Title
- ENVS 100 Introduction to Environmental Science

Grade Options

Letter Grade Methods

BIO 025H - Environmental Biology - Honors

3.0 Units

This honors course provides a scientific examination of the ecological interrelationships between humans and the environment. By understanding general ecological principles and major ecosystems on earth, we can evaluate how the human population impacts our planet by its growth and resource use, and what the implications are for ecosystems, biodiversity, as well as human health and welfare. Topics include: human population growth, food and water supplies, pollution, global climate change, energy use and sustainable development. Students may not receive credit for both BIO 025 and BIO 025H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science

California State University General Education-Breadth (CSU GE-B)

- Area B2 - Biological Sciences
- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-5 - Natural Sciences
- A-7 - Lifelong Learning

C-ID Number and Title

- ENVS 100 Introduction to Environmental Science

Grade Options

Letter Grade Methods

BIO 030 - Tropical Ecology

3.0 Units

The amazing diversity of life in the tropics is the subject of this introductory level class. Students explore rainforest inhabitants and their relationships, and learn about their value and conservation. This lecture course may be taken with or without BIO030L, Tropical Ecology Lab.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science
- California State University General Education-Breadth (CSU GE-B)
- Area B2 - Biological Sciences

AA/AS General Education Requirements

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

BIO 030L - Tropical Ecology Field Studies

1.0 Units

In this introductory level class, students carry out research methods that ecologists use to observe and investigate tropical ecosystems. This lab course must be taken with BIO-030, Tropical Ecology.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area B3 - Laboratory Requirement

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

BIO 031L - Tropical Ecology Field Studies

1.0 Units

In this introductory level laboratory class, students carry out research methods that ecologists use to observe and investigate tropical ecosystems. This course includes a field trip to Costa Rica. Students who take this course are not required to complete BIO 30, the lecture course in Tropical Ecology.

Grade Options

Pass/No Pass

Letter Grade Methods

BIO 032 - California Plants and Animals

4.0 Units

This field course explores the ecology of California flora and fauna through the study of plants and animals in terrestrial and aquatic ecosystems, with a primary focus on the San Francisco Bay region. The role of abiotic and biotic factors in communities is emphasized. Students examine the natural history of common plants and animals in different ecosystems, as well as their adaptations to the environment. Native American uses of flora and fauna are discussed. Laboratory and field investigations are conducted using the scientific method and environmental sampling techniques. Selected regional conservation issues and endangered species are discussed. Recommended for non-science majors to fulfill laboratory science requirement.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science
 - Area 5C - Laboratory Requirements
 - California State University General Education-Breadth (CSU GE-B)
 - Area B2 - Biological Sciences
 - Area B3 - Laboratory Requirement
- AA/AS General Education Requirements
- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

BIO 047 - Human Anatomy

5.0 Units

This course is an in-depth study of the microscopic and gross anatomical structure of the human body, including some corresponding pathology. It is designed to meet the prerequisite for programs in nursing, physical therapy, kinesiology, occupational therapy, etc. Laboratory work includes: examination of models, histological specimens, and animal specimens.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science
 - Area 5C - Laboratory Requirements
 - California State University General Education-Breadth (CSU GE-B)
 - Area B2 - Biological Sciences
 - Area B3 - Laboratory Requirement
- AA/AS General Education Requirements
- A-5 - Natural Sciences

C-ID Number and Title

- BIOL 110B Human Anatomy with Lab

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: (BIO 001A or BIO 001AH) or BIO 011 or BIO 022 or (BIO 010 and BIO 010L)

BIO 048 - Human Physiology

5.0 Units

This course provides students with a basic understanding of the physiological mechanisms underlying body function in order to provide a foundation for more in-depth study and practical application. With an emphasis on cause and effect, details of the chemical and cellular basis for the workings of the nervous, muscular, cardiovascular, respiratory, renal and digestive systems are emphasized. Laboratory investigations of physiological processes familiarize students with scientific analysis and research techniques. C-ID # BIOL 120B

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science
- Area 5C - Laboratory Requirements
- California State University General Education-Breadth (CSU GE-B)
- Area B2 - Biological Sciences
- Area B3 - Laboratory Requirement

AA/AS General Education Requirements

- A-5 - Natural Sciences

C-ID Number and Title

- BIOL 120B Human Physiology with Lab

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: BIO 047 and (CHM 001A or CHM 001AH or CHM 030A or CHM 060)

Advisory: Intermediate Algebra Skills

BIO 048H - Human Physiology - Honors

5.0 Units

This honors course provides students with a basic understanding of the physiological mechanisms underlying body function in preparation for more in-depth study and clinical application. The chemical and cellular basis for the workings of the nervous, muscular, cardiovascular, respiratory, renal and digestive systems are emphasized. Laboratory investigations of physiological processes familiarize students with scientific analysis and research techniques. The honors component involves an in-depth analysis of specific topics, using current information from research journals. Students cannot get credit for both BIO 048 and BIO 048H. Enrollment in the Honors Transfer Project is required. C -ID # BIOL 120B

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5B - Biological Science
- Area 5C - Laboratory Requirements
- California State University General Education-Breadth (CSU GE-B)
- Area B2 - Biological Sciences
- Area B3 - Laboratory Requirement

AA/AS General Education Requirements

- A-5 - Natural Sciences

C-ID Number and Title

- BIOL 120B Human Physiology with Lab

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: BIO 047 and (CHM 001A or CHM 001AH or CHM 030A or CHM 060)

Advisory: Intermediate Algebra Skills.

Business (BUS)

BUS 010 - Global Business

3.0 Units

This course provides a comprehensive overview of global business including international management, finance, law, and global marketing strategy. Emphasis is on the firm in the context of global competition, including discussion of decision-making strategies on how to enter and compete in global markets and how to develop and implement a global marketing strategy.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 011 - International Business Law

3.0 Units

This course introduces the legal environment of international business, explains the basic principles of international business law and challenges students to consider legal implications of any international business strategy or transaction.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 012 - International Financial Management

3.0 Units

This course will focus on the fundamental principles of corporate finance in today's global business environment. It introduces international finance with a focus on the important role of modern multinational corporations in global commerce. This class provides a wide range of managerial topics and emphasizes the most recent changes in the international environment.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 021 - Introduction to Business Computing

3.0 Units

This course introduces computer hardware, software and technology applications in business. Information systems and the strategies for managing them change quickly, but the principles that guide both remain timeless. These principles form the backbone of this comprehensive survey of the field, designed for a student's first course in information technology. By presenting the details as well as the big picture, this course puts the lessons of managing information systems into an understandable context. The overall principle is that the right information, if it is delivered to the right person, in the right fashion, and at the right time, can improve and ensure organizational effectiveness and efficiency.

Transferability and General Education

Transferable to both UC and CSU

C-ID Number and Title

BUS 140 Business Information Systems, Computer Information Systems

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 021L - Introduction to Business Computing Laboratory

1.0 Units

This course provides an overview of how to use common software packages for business applications including word processing, spreadsheets, graphic presentations and how to use the Internet and entry level database softwares. This hands-on computer work augments the basic concepts covered in BUS 021.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 022 - Principles of E-Business

3.0 Units

This class challenges students to explore the realities and implications of e-commerce from a marketer's perspective, including an examination of Business-to-consumer (B2C) and business-to-business (B2B) e-commerce markets. The course introduces students to a wide range of electronic commerce issues for marketers and serves as a foundation for continual learning in the dynamic e-commerce environment.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 023 - Social Media Marketing

3.0 Units

Social media (such as Twitter, Facebook, blogging, etc.) are technologies that enable individuals to create, collaborate, and share messages with audiences of all sizes. Students will explore the possibilities and limitations of social media and will have hands-on experience with several forms of social media technology.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: BUS 056A

BUS 028A - Business Law I

3.0 Units

This course provides an introduction to the laws in the United States with an emphasis on matters relating to the conduct of business and commerce. Specific topics covered include an overview of law making, governmental regulation, dispute resolution, courts and the court system, court cases and procedures, agency relationships, employment law, business formation and contracts.

Transferability and General Education

Transferable to both UC and CSU

C-ID Number and Title

BUS 125 Business Law

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 037 - Fundamentals of Project Management

3.0 Units

In this course, students will learn the secrets to successful project management: how to create a plan, implement it, monitor progress, correct as necessary and deliver as promised. This course prepares students with the necessary skills required to successfully manage a project and to prepare for the PMP® or CAPM® certification exams.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 040 - Professional Selling

3.0 Units

This course is a study of sales principles and strategies. Topics include advanced sales techniques, high impact questioning methodologies, closing techniques and managing objections, account and territory planning and management, resource planning and management. The course explores in detail the "selling cycle". Students taking this course explore how to succeed in sales.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: COM 001

BUS 041 - Beginning Business Analytics

3.0 Units

This introductory course focuses on the fast-growing field of Business Analytics. The course will use SAP's Predictive Analysis tools in helping students to become big data literate and proficient in data environments of social media tracking, web analytics, customer and marketing information. Data analytic solutions explored will involve hands-on experience using real-world business case studies. Data Analytics has become a highly sought-after skill in business, engineering, economics, government services, science, health care and other fields.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: MAT 010 or MAT 010H or MAT 010X

BUS 051 - Introduction to American Business

3.0 Units

In this survey course, students learn about the business landscape, how to evaluate an investment in a business degree program, and to begin career planning. The course helps direct students towards career paths and a major which best reflects their own personal aptitudes, interests, and skills. This is a required first course for all business majors, and should be taken within their first year as a business major.



Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 052 - Fundamentals of Financial Investing

3.0 Units

This course provides students with the fundamentals to make sound financial investment decisions. Students explore the investment environment, the risks and returns objectives consistent with and associated with different types of financial investments, and the establishment of the individual's investment characteristics, capacities and restrictions. Other topics include the participants in the investment process including the organizations issuing securities and the laws and regulations covering their activities. Class projects cover techniques of investment analysis, timing, decision making, investment planning and management.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 054 - Small Business Start Up and Management

3.0 Units

This course covers methods of research and planning to start a small business and is recommended for persons who want to explore the opportunities and requirements of creating and managing their own business enterprise.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 056A - Marketing Principles

3.0 Units

This course gives students an overall understanding of marketing functions and the role of marketing in society. The course covers the fundamentals of marketing, including product planning and development, buyer behavior, pricing strategies, marketing channels, and methods of marketing research.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 061 - Business and Society

3.0 Units

This course examines business and its impact on society and society's influence on business. This includes a critical and comparative examination of business ethics, business and government in a global society, managing environmental issues and societal challenges, and the benefits of business activity. Regardless of a student's major, in these changing times, each student needs to be able to critically analyze the significance of business within society and the workplace.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

- A-7 - Lifelong Learning

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 064B - Business Math

4.0 Units

This course is designed for business majors to review the fundamental mathematical principles through lectures and individual operation of electronic calculators. This course emphasizes methods of problem analysis, interpretation and the solving of common business calculation problems such as percentage, trade and cash discounts, interest, time value of money, compounding, depreciation and discounting notes. This course is recommended for all business majors.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: Elementary Algebra Skills

BUS 074 - Supply Chain Management

3.0 Units

This course is an introduction to the basic principles of supply chain management that covers traditional supply chain topics such as procurement, inventory management, operations, quality management, logistics and transportation. Also discussed are issues related to sustainability, humanitarian logistics, ethical business practices and supply chain analytics in the context of evolving supply chains around the world. Students discover how business processes, performance metrics and modern supply chain IT tools aid in the management and growth of effective and efficient supply chains.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade methods

BUS 078B - Business Communications

3.0 Units

This course develops writing and success skills to improve communication ability in the business environment. Topics covered include communication theory, business writing style and group communication. Various forms of written communication are covered such as letters, email, employment messages, and reports.

Transferability and General Education

Transferable to CSU only

C-ID Number and Title

BUS 115 Business Communication

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: (ENG 001A or ENG 001AX) and REA 054

BUS 084 - Internet Marketing

3.0 Units

This course introduces students to Internet marketing techniques and tools and examines how advanced technologies affect marketing functions. Consideration is given to the development of an organization's marketing plan and strategies in this dynamic environment. The course provides students with the opportunity to conceptualize and document an internet marketing plan based on ones' professional goals.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 102 - Leadership

3.0 Units

This course guides students in developing life-long learning skills for leadership that apply to any organizational level in a wide variety of business environments. Both historical and cutting-edge leadership theory and practice are explored. Topics discussed include visioning, inspiring, motivating as well as the effective use of power. By taking an active leadership role in this course, students examine the issues, challenges, and practical skills of leadership in today's workplace. Presentations, team activities, reflection, interviewing, and feedback are core developmental components of this course.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 104 - Project Risk Management

3.0 Units

This course is designed for personnel who will make project-related decisions in the presence of undefined conditions. Students will understand how to handle change and risk and how they can be mitigated. Also, in this course students will learn and apply proactive approaches to threats and opportunities based on an understanding of the risk management process.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 105 - Agile Project Management

2.0 Units

The Agile Project Management course is designed for business students, project team members, product owners and project leaders looking to understand and apply the Agile approach and practices to new product development, software development and knowledge work projects. This course teaches management of projects using agile methods with a detailed focus on SCRUM and Kanban. Students will explore SCRUM roles, artifacts, events, and processes thereby learning how products can be delivered economically and how customers are brought in the loop of product development. Students will learn Kanban and how this flowed-based method is used to achieve efficient and smooth work management improving time-to-market. Even if you are currently using other project management methodologies, you will discover how Agile methods can make your projects more successful.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Corequisite: BUS 037

BUS 107 - Soft Skills for Project Managers

2.0 Units

This course is designed for students who want to build their soft skills. Soft skills, sometimes known as "people skills," can provide an edge to project managers who have learned to use them well. This course will concentrate on the three pillars of Soft skills, Leadership, Communication and Collaboration. In this course we take a deep dive into these critical skills. Topic include, leading teams, coaching, mentoring, negotiating skills, motivating people, decision making and influencing, reading body language, team dynamics, conflict, power, and organizational behavior. Since, project managers typically spend over 80% of their time interfacing with people - these skills are critical to successful project managers. This course is part of the new certificate for Project Management.

Grade Options

Pass/No Pass

Letter Grade methods

BUS 108 - PMP & CAPM Exam Prep

2.0 Units

This course will prepare students for the for CAPM® (Certificate Associate in Project Management) or PMP® (Project Management Professional) exams. Also, students will receive substantial Project Management Education (PDUs) hours. This course emphasizes PMBOK Guide® (Project Management Body of Knowledge) and is structured around the ten knowledge areas, and it is focused on exactly what is necessary to pass the exam. The Project Management Professional (PMP®) certification is the profession's most globally recognized and respected certification credential based on the Project Management Institute (PMI®) well-known Project Management Body of Knowledge (PMBOK®).

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: BUS 037

BUS 109 - Business Law for Entrepreneurs

2.0 Units

This course provides students a foundation to understand legal attributes of an entrepreneurship enterprise. The course materials are a diverse mixture of different topical areas in law. These areas include commercial law, tort law, business structure, employment and contract law, the legal framework of finance, intellectual property and laws governing the sale of a business. The students will be able to identify the specific legal issues that an entrepreneur face during the various stages of the organization.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 111 - The Entrepreneurial Mindset

3.0 Units

This course is designed for students to learn about the principles contained in the entrepreneurial mindset and the unlimited opportunities it can provide. So, what is an entrepreneurial mindset? An entrepreneurial mindset is a specific set of beliefs, knowledge, and thought processes that drives entrepreneurial behavior (The Learning Initiative 2018). This course also takes the approach that anyone (not just those who want to start businesses) can benefit from understanding and applying an entrepreneurial mindset to any situation.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 112 - Business Modeling

3.0 Units

This course covers practical business model techniques used by leading companies in different industries. The business model describes how companies create, deliver and capture value. The students will learn about the nine building blocks in creating and implementing a business model. These blocks include Customer Segments, Value Propositions, Channels, Customer Relationship, Revenue Streams, Key Resources, Key Activities, Key Partnerships and Cost Structure. Furthermore, the student shall understand disruptive innovation as a sensation and strategy in today's business environment. Lastly, students will develop their own business model and understand the importance of sustainable.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 114 - Entrepreneurship Finance

2.0 Units

This course introduces financial thinking, tools, and techniques adapted to the area of entrepreneurship. Students will be introduced to the theories, knowledge, and financial tools an entrepreneur needs to start, build, and harvest a profitable venture. Students will learn how and where to obtain the financing necessary to launch and develop the venture. Also, we will highlight the discipline financial management practices that are vital to a venture's operation.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 115 - Operations Management

3.0 Units

This course is an introduction to the field of operations management and addresses the design and management of the activities and resources that a firm uses to produce and deliver its products or services. Topics covered include product design, applied forecasting, aggregate planning, scheduling, total quality management, statistical process control, inventory management, facility layout operations planning, and lean/Just-in Time business processes. Concepts are illustrated by using abundant real world case studies, articles, illustrations, problems and cases.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 118 - Human Resources Management

3.0 Units

This course is designed as an overview of the Human Resource functions and the employment of human resources to achieve organizational strategic goals by working with and through people. Topics include HR legal environment, recruitment and selection, training and development, compensation and benefits, performance appraisals, workforce diversity, downsizing, outsourcing, contracting, and HR systems. This course offers a balance of practical and applied material in case study analysis.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

BUS 160 - International Marketing

3.0 Units

This course focuses on marketing management techniques, and strategies necessary to incorporate the marketing concept when doing business in international markets. The challenges of competing in markets of different cultures and different legal and political environments are also explored.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Computer Applications (CAP)

CAP 010A - Learning the Keyboard

1.0 Units

This course is designed for anyone who wants to learn the "touch" system of keyboarding on the computer. Proper techniques of keyboarding are emphasized to develop speed and accuracy.

Grade Options

Pass/No Pass



CAP 033A - Microsoft Word - Course 1

3.0 Units

This course covers word processing features using Microsoft Word. The course includes text-editing, formatting, storage, retrieval, printing, tables, charts, document filing and management, columns, style sheets, spell check and thesaurus, and other basic word processing skills.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: BUS 021L or CAP 062B

CAP 044 - Using Project Management Software to Manage a Project

1.0 Units

This course covers the basic concepts of project management and the essential components of project management software. Students research and evaluate a number of project management software applications including but not limited to SmartSheet, Microsoft Planner, Microsoft Project, and Liquid Planner. Students will choose a project management software application to design and create a basic project plan.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

CAP 046D - Introduction to Microsoft PowerPoint

1.0 Units

This course introduces students to Microsoft PowerPoint. Students learn the basic techniques to create a presentation with multiple slides, transitions, animation and formatting of slides.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: CAP 010A

CAP 062B - Introduction to Microsoft Excel

1.0 Units

This is an introduction to Microsoft Excel. The course covers basic formulas, functions, charts, and formatting. Students create 3-D charts, use loan amortization functions, enhance worksheets, utilize functions, and modify print options.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: CAP 070

CAP 063B - Intermediate Microsoft Excel

2.0 Units

This course is the second in a series of Microsoft Excel courses designed to help students learn Excel features that are used in business decisions. Students apply What-IF Analysis such as scenario tables, goal seek, and solver. Students also utilize advanced functions such as VLOOKUP, Nested IF's, Pivot tables and Pivot charts, macros and more. This course is designed for students who are computer literate and have a previous working knowledge of Excel formulas, functions, and charts.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: CAP 062B

CAP 070 - Using MS Windows

1.0 Units

This course introduces students to the current version of the Windows operating system and helps students acquire fundamental Windows skills including file management, Internet connectivity, Windows security and updates, hardware management, troubleshooting and customizing settings.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

CAP 071E - Microsoft Outlook

1.0 Units

Students learn the most important features of Microsoft Outlook. Students learn how to manage email with rules and folders, enter appointments and events, create and manage a daily, weekly, or monthly schedule, track tasks, and manage contacts and contact groups. Computer literacy and keyboarding skills are recommended.

Grade Options

Pass/No Pass

Letter Grade methods



CAP 100 - Learning the Keyboard Noncredit

0.0 Units

This noncredit course is designed for anyone who wants to learn the "touch" system of keyboarding on the computer. Proper techniques of keyboarding are emphasized to develop speed and accuracy. (noncredit course - not degree applicable)

Grade Options

Satisfactory Progress

CAP 101 - Computers Simplified for Beginning Learners Noncredit

0.0 Units

This noncredit course takes students through the basics of using a computer to perform essential tasks for workforce and academic survival. Highlights of the course include: operating system basics, applications software, e-mail basics, computer peripherals, and Internet basics. (noncredit course - not degree applicable)

Grade Options

Satisfactory Progress

CAP 111 - Collaborate and Integrate with SharePoint and MS Office 365

3.0 Units

This course provides students with the fundamental knowledge and skills required to collaborate with business teams using Microsoft SharePoint and Office 365 web apps and office software. Students create, edit and maintain collaboration sites, including webpages, user communities, wikis, calendars, and blogs in office environments that require multi-user access. This course is designed for students majoring in Business, Computer Applications, or Computer Information Systems as well as for business professionals seeking to update their technology skills.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: BUS 021L or BUS 062B

Child Development (CHD)

CHD 001 - Child Growth and Development

3.0 Units

This course is a study of typical and atypical child growth and development in the physical, social, emotional, cognitive, and language development from conception through adolescence. There is an emphasis on interactions between maturational processes and environmental factors within the family, cultural, and societal context. Students observe children using investigative research methods, evaluate differences, and analyze characteristics of development at various stages. This course fulfills requirements as a core course for Title 22 licensing and the Child Development Permit Matrix. C-ID CDEV 100

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

C-ID Number and Title

- CDEV 100 Child Growth and Development

Grade Options

Letter Grade Methods

CHD 002 - Child, Family, and Community

3.0 Units

This course addresses processes of socialization focusing on the interrelationship of family, school, and community. The course examines the influence of multiple societal contexts and explores the role of collaboration between family, community, and schools in supporting children's development, birth through adolescence. This course fulfills requirements as a core course for Title 22 licensing and the Child Development Permit.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

- Area E - Lifelong Learning and Self Development

C-ID Number and Title

- CDEV 110 Child Family and Community

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

- A-7 - Lifelong Learning

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: CHD 001

CHD 003 - Language and Literacy for the Young Child

3.0 Units

This course explores the development of language in young children and how to apply that understanding in developmentally, linguistically, and culturally appropriate ways in the early childhood classroom. Students learn how to promote language development and literate behaviors among emerging multilingual children through a variety of materials and experiences.

Transferability and General Education

Transferable to CSU only

AA/AS General Education Requirements

- A-1B - Oral Communication & Critical Thinking

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: CHD 001 and CHD 002



CHD 004 - Cognitive Experiences for Children

3.0 Units

This course examines the cognitive development in children by reviewing the theories, research and curriculum experiences that enhance the child's thinking or understanding of the child's physical and social world. The implications of Piaget's theory for curriculum design and the role of the teacher and the environment in cognitive development are also examined. Observation of children is required.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

CHD 005 - Music and Movement

3.0 Units

This course is the study of music and movement activities and how these activities affect the child's growth and development. Students learn how to assess musical and movement experiences and design activities that promote the child's development and culture. Students gain skills in determining how these musical experiences help with the pre-reading period, cognitive development, social-emotional development, and sensory and creative expressions. Observation of children is required. Students develop a resource file of songs and music to use for curriculum design and lesson plans.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

CHD 006 - Administration I: Programs in Early Childhood Education

3.0 Units

This course is an introduction to the administration procedures in early care and education programs. Topics include licensing requirements, administrative structures and governance, budgeting, program operation, and quality improvement techniques. This course fulfills the State of California licensing requirements and partially fulfills requirements for Program Director or Site Supervisor Permits.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CHD 001 and CHD 002 and CHD 010

CHD 007 - Personnel and Leadership in Early Childhood Education

3.0 Units

This course is an in-depth study of the effective application of personnel management and leadership procedures in early childhood programs. Topics include the unique goals, roles, and responsibilities of the director or supervisor of the children's center. The course includes staff-administrator relationships, staff development, and in-service training, and it focuses on effective problem-solving techniques, decision-making models, meetings, performance appraisals, and assessment of individual leadership styles. This course fulfills requirements for the State of California licensing policies and procedures from Title 22. This course also fulfills the requirements for the Site Supervisor and Program Director Child Development Permit.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CHD 001 and CHD 002 and CHD 010

Advisory: CHD 006

CHD 008A - Practicum A

3.5 Units

This course is a demonstration of developmentally appropriate early childhood program planning and teaching competencies under the supervision of ECE/CD faculty and other qualified early education professionals. Students will utilize practical classroom experiences to make connections between theory and practice, develop professional behaviors, and build a comprehensive understanding of children and families. Reflective practice will be emphasized as student teachers design, implement, and evaluate approaches, strategies, and techniques that promote development and learning. Includes exploration of career pathways, professional development, and teacher responsibilities.

Transferability and General Education

Transferable to CSU only

C-ID Number and Title

- ECE 210 Practicum in Early Childhood Education

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CHD 001 and CHD 002 and CHD 010 and CHD 015

and CHD 026

CHD 010 - Principles and Practices of Teaching Young Children

3.0 Units

This course provides historical contexts and theoretical perspectives of developmentally appropriate practice in early care and education for children from birth through age eight. Students will explore the typical roles and expectations of early childhood educators, and identify professional ethics, career pathways, and professional standards. The course introduces best practices for developmentally appropriate learning environments, curriculum, and effective pedagogy for young children including how play contributes to children's learning, growth, and development.

Transferability and General Education

Transferable to CSU only

C-ID Number and Title

ECE 120 Principles & Practices of Teaching Young Children

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: CHD 001 and CHD 002

CHD 013 - Teaching in a Diverse Society

3.0 Units

This course is an examination of the development of social identities and the theoretical and practical implications of oppression and privilege as they apply to young children, families, programs, classrooms, and teaching. Various classroom strategies are explored emphasizing culturally and linguistically appropriate anti-bias approaches supporting all children in becoming competent members of a diverse society. This course includes self-examination and reflection on issues to social identity, stereotypes, and bias, social and educational access, media, and schooling. C-ID ECE 230

Transferability and General Education

Transferable to CSU only

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences
 - Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-4 - Social & Behavioral Sciences
 - A-7 - Lifelong Learning
- C-ID Number and Title
- ECE 230 Teaching in a Diverse Society

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CHD 001 and CHD 002

CHD 014 - Art and Creative Development of Young Children

3.0 Units

This course focuses on creative art experiences for the child. Students explore the factors that affect children's development of creativity, artistic expression, and aesthetics. Developmentally appropriate art experiences are explored with the emphasis on process rather than product. The role of the teacher and the importance of the environment are discussed. Understanding and analyzing children's art and its importance for the child's overall development is studied. Students design creative art experiences to further the child's creative expression and the role of art in STEM. Observation of children is required.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: CHD 001

CHD 015 - Observation and Assessment of Children

3.0 Units

Introduces the appropriate use of assessment and observation tools and strategies to document young children's development and learning. The use of findings to inform and plan learning environments and experiences are emphasized. Recording strategies, rating systems, portfolios, and multiple assessment tools will be discussed, along with strategies for collaboration with families and professionals.

Transferability and General Education

Transferable to CSU only

C-ID Number and Title

- ECE 200 Observation and Assessment

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CHD 001 and CHD 002

CHD 016 - Infant and Toddler Development

3.0 Units

This course provides students with an in-depth study of the child from prenatal through the early childhood years. This course is an extension of CHD 001, Child Growth and Development, in the exploration of the development of the very young child. This course meets the Infant-Toddler state licensing requirement. Observation of children is required.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: CHD 001

CHD 017 - Child Health, Safety and Nutrition

3.0 Units

This course is an introduction to the laws, regulations, standards, policies and procedures and best practices of health, safety, and nutrition in care and education settings for children birth through middle childhood. The key components that ensure physical health, mental health and safety for both children and staff are identified along with the importance of collaboration with families and health professionals. The practice of integrating these concepts into everyday planning and program development with children is studied: teacher's role in prevention strategies, nutrition and meal planning, integrating health safety and nutrition experiences into daily routines, and overall risk management.

Transferability and General Education

Transferable to CSU only

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning
- C-ID Number and Title
- ECE 220 Health, Safety and Nutrition

Grade Options

Letter Grade Methods

CHD 018 - Parenting Issues for Teachers

1.0 Units

This course is designed to give teachers or caregivers the skills to help parents develop positive attitudes, behavior, and skills in their parent-child relationship. Students learn how to conduct parent/family meetings and parent/family conferences and make other parent/family contacts.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

CHD 020 - The Child with Special Needs in the Community

3.0 Units

This course provides an overview of atypical development, a variety of disabilities, and the relationships between the child, family, and community. Educational, historical, societal, and developmental issues are explored. The course examines special education laws, the identification and referral process, the development and implementation of an IFSP and an IEP, methods of intervention, and case management. Observation of children and conversations with family members and community agencies are encouraged.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CHD 001 and CHD 002

CHD 021 - Children and Play

3.0 Units

This course focuses on classic and contemporary theories of play, examining their implications concerning a child's social-emotional, cognitive, language, and physical development. Students will further their knowledge with content on gender, inclusion, socioeconomic class, and culture. Students will engage in the observation of children's play behavior, enabling them to plan and implement developmentally appropriate experiences for young children in a group setting.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: CHD 001

CHD 022 - Adult Supervision in Early Childhood Programs

2.0 Units

This course is a study of methods and principles of program and professional assessment, evaluation, and communication appropriate for individuals who supervise adult teachers, parents, and volunteers in early childhood programs. A variety of professional and program instruments, including the National Association for the Education of Young Children (NAEYC) Accreditation self-study materials, designed for use in assessing staff performance and program quality are thoroughly discussed in an in-depth analysis of ongoing assessment and its importance in program and professional development. In addition, self-assessment, leadership style, communication styles, and career development are examined. This course partially fulfills Child Development Permit requirements for Master Teacher, Site Supervisor, or Program Director.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: CHD 001 and CHD 010

CHD 024 - Positive Guidance in Early Childhood Programs: Managing Challenging Behaviors

3.0 Units

This course takes a comprehensive look at the genetic, environmental, and cultural factors that impact the behavior of young children. This includes stressors, child temperament, and disabilities. Positive guidance strategies, prevention techniques, supportive relationships, classroom management, observation, and intervention plans are discussed.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: CHD 001 and CHD 002

CHD 025 - Inclusion Strategies and Curriculum in Early Childhood Education

3.0 Units

This course focuses on the theories, research, and practical applications from the fields of both early childhood education and special education. Topics covered include using observation and assessments and implementation of Individual Education Plans (IEP) and Individual Family Service Plans (IFSP). Curriculum modification strategies for children with disabilities are discussed with the goal of meeting their unique developmental needs in inclusive and natural environments. Specific attention is aimed at the role of the teacher as a professional working with families, collaborating with interdisciplinary teams, and creating cultural competence.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: CHD 001 and CHD 002

CHD 026 - Introduction to Curriculum

3.0 Units

This course teaches the developmentally appropriate curriculum and environments for children from birth through age eight. Students will use knowledge of children's development, theories of learning and development, and examples from various models of developmentally appropriate practice to plan environments and curriculum in all content areas to support children's development and learning integrated throughout indoor and outdoor settings.

Transferability and General Education

Transferable to CSU only

C-ID Number and Title

- ECE 130 Introduction to Curriculum

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CHD 001

Advisory: CHD 002



Chinese (CHI)

CHI 001 - First Semester Chinese

5.0 Units

This course is an introduction to the basic oral and written structures of the Mandarin Chinese language. Emphasis is placed on communication and relevancy. Reading and writing are introduced and practiced. Aspects of the Chinese culture in China and Chinese-speaking countries are presented and discussed.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 6 - Language other than English
AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

CHI 002 - Second Semester Chinese

5.0 Units

Chinese 002 is a continuation of Chinese 001 and is an elementary level course.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CHI 001

Chemistry (CHM)

CHM 001A - General Chemistry I

5.0 Units

Chemistry 001A is the first of a two-semester sequence in general inorganic chemistry designed for science majors and those seeking entry to medicine or other professional programs in the health sciences. Topics include atomic structure, theories of chemical bonding, nomenclature, stoichiometry, thermochemistry, gas laws, and the properties of solids, liquids, gases, and solutions.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science

- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences

- Area B3 - Laboratory Requirement

C-ID Number and Title

- CHEM 110 General Chemistry for Science Majors I, with Lab
CHEM 120 S General Chemistry for Science Majors Sequence A
(when taken with CHM 001B or CHM 001BH)

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisites: (CHM 002 or CHM 030A or CHM 060 or Successful completion of High School Chemistry within 2 years or Successful completion of the Departmental Chemistry Placement Test) and Intermediate Algebra Skills

CHM 001AH - General Chemistry I - Honors

5.0 Units

Chemistry 001A is the first of a two-semester sequence in general inorganic chemistry designed for science majors and those seeking entry to medicine or other professional programs in the health sciences. Topics include atomic structure, theories of chemical bonding, nomenclature, stoichiometry, thermochemistry, gas laws, and the properties of solids, liquids, gases, and solutions. Students cannot get credit for both CHM 001A and CHM 001AH. Enrollment in the Honors Transfer Project is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science

- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences

- Area B3 - Laboratory Requirement

C-ID Number and Title

- CHEM 110 General Chemistry for Science Majors I, with Lab
CHEM 120 S General Chemistry for Science Majors Sequence A
(when taken with CHM 001B or CHM 001BH)

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisites: (CHM 002 or CHM 030A or CHM 060 or Successful completion of High School Chemistry within 2 years or Successful completion of the Departmental Chemistry Placement Test) and Intermediate Algebra Skills

CHM 001B - General Chemistry II

5.0 Units

This course is a continuation of CHM 001A (General Chemistry I) and is intended for majors in chemistry, biological sciences, engineering, and professional programs in medicine and pharmacy. Topics include chemical kinetics, chemical equilibrium, thermodynamics, electrochemistry, chemistry of the transition elements, and selected topics in nuclear chemistry.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science

- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences

- Area B3 - Laboratory Requirement

C-ID Number and Title

- CHEM 120S S General Chemistry for Science Majors Sequence A
(when taken with CHM 001A or CHM 001AH)

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

CHM 001BH - General Chemistry II - Honors

5.0 Units

This course is the honors version of the a continuation of CHM 001A (General Chemistry I) and is intended for majors in chemistry, biological sciences, engineering, and professional programs in medicine and pharmacy. Topics include chemical kinetics, chemical equilibrium, thermodynamics, electrochemistry, chemistry of the transition elements, and selected topics in nuclear chemistry. Students cannot get credit for both CHM 001B and CHM 001BH. Enrollment in the Honors Transfer Project is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science
- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences
- Area B3 - Laboratory Requirement

C-ID Number and Title

CHEM 120S S General Chemistry for Science Majors Sequence A (when taken with CHM 001A or CHM 001AH)

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CHM 001A or CHM 001AH

CHM 002 - Introductory Chemistry

3.0 Units

CHM 002 is designed specifically to prepare students for CHM 001A (general chemistry). It introduces the principles of atomic structure, gas laws, solutions, and acid-base theories. There is heavy emphasis on problem solving, chemical formulas, equations and quantity relationships.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science
- Area B1 - Physical Sciences

C-ID Number and Title

- CHEM 101 Introduction to Chemistry (when taken with CHM 002L)

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Intermediate Algebra Skills.

CHM 002L - Introductory Chemistry Laboratory

1.0 Units

This course is a laboratory component to accompany CHM 002: Introductory Chemistry.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5C - Laboratory Requirements
- Area B3 - Laboratory Requirement

C-ID Number and Title

- CHEM 101 Introduction to Chemistry (when taken with CHM 002)

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite or Corequisite: CHM 002

CHM 012A - Organic Chemistry I

5.0 Units

CHEM 012A is the first semester of organic chemistry, which includes a study of important organic molecules found in living systems and man-made molecules. This course includes both lecture and laboratory work designed to prepare students to enter fields of study such as chemistry, engineering, pre-pharmacy, pre-dentistry, pre-medicine, and biological sciences. Modern laboratory techniques, including instrumental methods of structure determination, are included.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science
- Area 5C - Laboratory Requirements
- Area B1 - Physical Sciences
- Area B3 - Laboratory Requirement

C-ID Number and Title

- CHEM 150 Organic Chemistry for Science Majors I, with Lab
- CHEM 160 S Organic Chemistry for Science Majors Sequence A, with Lab (when taken with CHM 012B or CHM 012BH)

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CHM 001B or CHM 001BH

CHM 012AH - Organic Chemistry I - Honors

5.0 Units

CHEM 012AH is the honors course for the first semester of organic chemistry, which includes a study of important organic molecules found in living systems and man-made molecules. This course includes both lecture and laboratory work designed to prepare students to enter fields of study such as chemistry, engineering, pre-pharmacy, pre-dentistry, pre-medicine, and biological sciences. Modern laboratory techniques, including instrumental methods of structure determination, are included. Students cannot get credit for both CHEM 012A and CHEM 012AH. Enrollment in the Honors Transfer Project is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science
- Area 5C - Laboratory Requirements
- Area B1 - Physical Sciences
- Area B3 - Laboratory Requirement

C-ID Number and Title

- CHEM 150 Organic Chemistry for Science Majors I, with Lab
- CHEM 160 S Organic Chemistry for Science Majors Sequence A, with Lab (when taken with CHM 012B or CHM 012BH)

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CHM 001B or CHM 001BH

CHM 012B - Organic Chemistry II

5.0 Units

CHM 012B is the second semester of organic chemistry, which includes a study of important organic molecules found in living systems and man-made molecules. This course includes both lecture and laboratory work designed to prepare students to enter fields of study such as chemistry, engineering, pre-pharmacy, pre-dentistry, pre-medicine, and biological sciences. Modern laboratory techniques, including instrumental methods of structure determination, are included.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science
- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences
- Area B3 - Laboratory Requirement

C-ID Number and Title

• CHEM 160 S Organic Chemistry for Science Majors Sequence A, with Lab (when taken with CHM 012A or CHM 012AH)

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisites: CHM 012A or CHM 012AH

CHM 012BH - Organic Chemistry II - Honors

5.0 Units

CHEM 012BH is the honors course for the second semester of organic chemistry, which includes a study of important organic molecules found in living systems and man-made molecules. This course includes both lecture and laboratory work designed to prepare students to enter fields of study such as chemistry, engineering, pre-pharmacy, pre-dentistry, pre-medicine, and biological sciences. Modern laboratory techniques, including instrumental methods of structure determination, are included. Students cannot get credit for both CHEM 012B and CHEM 012BH. Enrollment in the Honors Transfer Project is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science
- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences
- Area B3 - Laboratory Requirement

C-ID Number and Title

• CHEM 160 S Organic Chemistry for Science Majors Sequence A, with Lab (when taken with CHM 012A or CHM 012AH)

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisites: CHM 012A or CHM 012AH

CHM 030A - Fundamentals of Chemistry

4.0 Units

CHM 030A is an introductory chemistry course designed for nursing and allied-health majors. Topics include dimensional analysis, inorganic nomenclature, atomic and molecular structure, bonding, chemical reactions, gas laws, solutions, acids-bases, oxidation-reduction, equilibrium and electrolyte systems. This course is not recommended for students majoring in biology or chemistry or for those seeking entry to professional programs in medicine or pharmacy.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science
- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences
- Area B3 - Laboratory Requirement

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Elementary Algebra Skills

CHM 060 - Introduction to General, Organic, and Biological Chemistry

4.0 Units

Chemistry 060 is an introduction to General, Organic, and Biological Chemistry for Health Sciences. Topics include atomic structure, chemical bonding, and acid-base chemistry; organic chemistry nomenclature, functional groups, stereochemistry, and classes of organic reactions; an introduction to the structure and function of biological macromolecules (carbohydrates, lipids, DNA/RNA, and proteins) and an overview of metabolism.

Transferability and General Education

Transferable to CSU only

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences
- Area B3 - Laboratory Requirement

C-ID Number and Title

• CHEM 101 Introduction to Chemistry

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science
- Area 5C - Laboratory Requirements

AA/AS General Education Requirements

- A-5 - Natural Sciences

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Elementary Algebra skills



Computer Information Systems (CIS)

CIS 001 - Introduction to Computer Science and Technology

4.0 Units

This course is an introduction to the concepts of computer science and information technology. It covers computer architecture, the Internet and networking, and basic programming and data manipulation, impacts of technology on society. Students explore the implications of this technology regarding today's information society. This course is recommended for students in any major who want to learn about computer science and technology and its impacts in society.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

CIS 007 - Python Programming

4.0 Units

This is an introductory course in programming using Python. No prior programming experience is required. Students learn to design, code, and execute programs using the Python programming language and tools. This class covers basic programming skills such as data types, control structure, algorithm development, and program design with functions. It also includes lists, object-oriented programming and graphics programming concepts and topics.

Transferability and General Education

Transferable to both UC and CSU

C-ID Course and Title

- ITIS130 Introduction to Programming Concepts and Methodologies
- COMP112 Introduction to Programming Concepts and Methodologies

Grade Options

Letter Grade Methods

Pass/No Pass

CIS 008 - Advanced Python Programming

4.0 Units

This is an advanced course in Python programming that covers features of the language and its libraries. Students learn about advanced data structures such as linked lists, binary search trees, hash tables and directed and undirected graphs and design patterns in Python.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: CIS 007

CIS 033 - Robotics and Embedded Systems

4.0 Units

This course is an introduction to microcontrollers and interfacing. It covers the basic hardware components such as LEDs, switches, motors and sensors needed to build a robot and introduces the components needed for the drone hardware. In addition it includes programming of the microcontroller.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: CIS 037A

CIS 034 - Intermediate Robotics and Embedded System Design

4.0 Units

This is an intermediate course in Robotics and embedded systems. This course covers Raspberry PI and Python programs to control the robot camera, get sensor information and send control signals to the robot. It covers remote communication using zigbee, graphical LCD, locating robot using GPS, interfacing I2C and SPI devices. Robot Operating System (ROS) and artificial intelligence applied to robots is introduced.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: CIS 033

CIS 037A - Introduction to C Programming

4.0 Units

This course is an introduction to the concepts and methods of computer programming using the C language. The course covers data types, expressions, control structures, functions, sequential files, arrays, pointers, strings, string library and ADTs. It also covers low-level programming elements such as memory manipulations, pass-by reference pointers, structs and bit-level manipulation. C-ID # ITIS 130

Transferability and General Education

Transferable to both UC and CSU

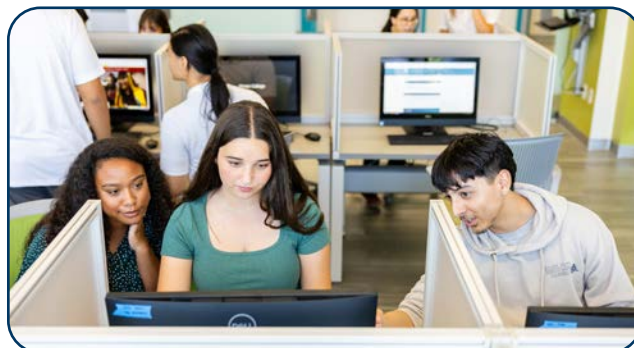
C-ID Course and Title

- ITIS130 Introduction to Programming Concepts and Methodologies

Grade Options

Letter Grade Methods

Pass/No Pass



CIS 039 - Introduction to Computer Systems and Assembly Language

4.0 Units

This course introduces computer architecture and assembly language programming. Students learn instruction sets, assembly language programming, and data representation and manipulation, the memory layout and hierarchy, linking and loading, interrupts, pointers, function calls, argument passing, and basic gate-level digital logic design.

Transferability and General Education

Transferable to both UC and CSU

C-ID Course and Title

- COMP 142 Computer Architecture and Organization

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: CIS 037A

CIS 040 - C++ Programming

4.0 Units

This is an introductory course in programming using C++. Students learn to design, code, and execute programs using the C++ programming language. This class includes control structures, functions, object-oriented programming concepts and topics. C-ID # COMP 112, ITIS 130

Transferability and General Education

Transferable to both UC and CSU

C-ID Course and Title

- ITIS130 Introduction to Programming Concepts and Methodologies
- COMP112 Introduction to Programming Concepts and Methodologies

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: CIS 037A

CIS 043 - Software Development with Java

4.0 Units

This course is an introduction to the concepts and methods of computer programming with an emphasis on OOP, (Object-Oriented Programming). Java programming language concepts include data types, selection, loops, arrays objects and classes. This course also includes GUI (graphical user interface), Graphics, files and exception handling.

Transferability and General Education

Transferable to both UC and CSU

C-ID Course and Title

- COMP 122 Programming Concepts and Methodology
- ITIS 130 Introduction to Programming Concepts and Methodologies

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: CIS 007 or CIS 037A

CIS 044 - Introduction to Data Structures Using Java

4.0 Units

This is an advanced course in the Java Programming Language. We will study basic data structures such as stacks, dynamic arrays, lists, and trees, and implementations. We will also cover basic algorithm analysis techniques (Big-O notation and recurrences), and basic algorithms for searching and sorting. We will also briefly cover basic software engineering concepts to give you a feel for developing large software applications in the real world.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: CIS 043 and MAT 003A

CIS 045 - Linux Essentials I

4.0 Units

This is an introductory course in the Linux operating system. Students learn the basics of Linux commands and utilities, including files, editors and scripting. This course covers the Unix Bash language scripting including variables, expressions, control structure, files, subroutines, and the "awk" and "sed" commands.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

CIS 047 - Linux System Administration

4.0 Units

This is a course in Linux system administration. Students learn hands-on skills for Linux administration, including system initialization, file system management, user and services administration and network configuration. It covers file systems, file sharing, mail server, LDAP, DNS, fire wall, web server and network security.

Transferability and General Education

Transferable to both UC and CSU

C-ID Course and Title

- ITIS155 Systems and Network Administration

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: CIS 045

CIS 050 - Introduction to Artificial Intelligence

4.0 Units

This course provides an introduction to basic concepts of Artificial Intelligence: Machine Learning (ML), Classification, Regression, Deep Learning, Computer Vision (CV), Natural Language Processing (NLP), Self-driving Cars, Reinforcement Learning (RL)

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: CIS 007

CIS 051 - Introduction to Data Analysis

4.0 Units

This is an introductory course on data analysis. It provides a foundation for understanding statistical methods, data analysis principles, tools and applications. Topics include data and sampling distribution, statistical analysis, correlation, regression and prediction, data manipulation, data cleaning and preparation, data wrangling, plotting, visualization and analysis. Students will use Python programming language and Python libraries such as NumPy, Pandas, Matplotlib in the course.

Transferability and General Education

Transferable to CSU only

AA/AS General Education Requirements

- A-2 - Mathematical Concepts & Quantitative Reasoning

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: CIS 007

CIS 052 - Data Visualization

4.0 Units

In this course students will learn how to become a master at communicating business-relevant implications of data analyses. After finishing this course, students will be able to effectively import data, clean and transform it and convey the results of the analysis to the stakeholders. Students will learn how to best convey the story behind the data using the most effective visuals as well as using Tableau to make effective and interactive dashboards.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: CIS 007

CIS 053 - Introduction to Machine Learning

4.0 Units

This course is an introductory course in machine learning and predictive analytics. Students will learn the fundamentals of developing models with cleaned and prepared data. They will gain an understanding of the algorithms of machine learning and learn to build predictive models using Python. Topics included-supervised learning, forecasting numeric values with multiple linear regression, decision trees and unsupervised learning. Students will use machine learning Python libraries such as scikit-learn to implement machine learning algorithms.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: CIS 051

CIS 054 - Introduction to Deep Learning

4.0 Units

This course focuses on in-depth understanding of Deep learning concepts, architectures and applications. Training Deep learning networks can be a challenging task and requires a good understanding of the nature of gradient descent and its variants. Students will learn about different forms of loss functions and hyper parameters and regularization in convolutional neural networks, RNNs and generative adversarial networks. The focus then turns into reinforcement learning as an alternative to supervised learning. Keras/TensorFlow will be used as a key framework to model different neural network architectures.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CIS 053

CIS 055 - Database Management Systems I

3.0 Units

This course is the first of two courses that covers the current, classical database systems, database design, architecture, entity-relationship and enhanced entity models, relational model, normalization techniques, emerging standard of SQL (structured) query language, XML (Extensible Markup Language), embedded, and dynamic SQL. It introduces students to widely used database systems such as Oracle, Microsoft SQL server, and MySQL. Students will work in groups to implement and design a commercial database application project.

Transferability and General Education

Transferable to CSU only

C-ID Course and Title

- ITIS180 Introduction to Database Management Systems

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: CIS 001

CIS 056 - Database Management Systems II

3.0 Units

This course is the second of two courses that covers database management and SQL (Structured Query Language) programming, stored procedures, functions, packages, and database triggers, relational database systems, object-oriented data model, database trends, web database topics, architectures, introduction to interface languages. Students will work in groups to implement a commercial database application project.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: CIS 055

CIS 063 - Mobile Apps Programming - Android

4.0 Units

This course is an introduction to programming applications for the Android operating system. Students learn to develop simple to more advanced applications using the latest Java technologies and the Android SDK.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: CIS 043

Computer Information Technology (CIT)

CIT 011 - Introduction to Computer Hardware and Software (A+)

4.0 Units

This course covers the fundamentals of computer hardware and software and advanced concepts such as security, networking, mobile devices such as tablets and smartphones, client-side virtualization, and the responsibilities of an IT professional. The fundamentals of processor, memory, video, storage, I/O ports, and other peripherals including the basic concepts of BIOS, Windows/Linux/Mac operating systems are also covered. It helps students prepare for entry-level career opportunities in ICT and the CompTIA A+ certification. It also provides a learning pathway to Cisco CCNA. Hands-on lab activities are an essential element of the course. The VirtualBox and Virtual Desktop are stand-alone tools designed to supplement classroom learning and provide an interactive "hands-on" experience in learning environments with limited physical equipment.

Transferability and General Education

Transferable to CSU only

C-ID Course and Title

- ITIS110 Information & Communication Technology Essentials

Grade Options

Letter Grade Methods

Pass/No Pass

CIT 012 - Introduction to Networking

4.0 Units

This course introduces the fundamental building blocks that form the modern network, such as protocols, media, topologies and hardware. It then provides in-depth coverage of the most important concepts in contemporary networking, such as TCP/IP, Ethernet, wireless transmission, virtual networks, security and troubleshooting. This course helps students prepare for entry-level career opportunities in ICT and the CompTIA Network+ certification. It also provides a learning pathway to Cisco CCNA.

Transferability and General Education

Transferable to CSU only

C-ID Course and Title

- ITIS150 Computer Network Fundamentals

Grade Options

Letter Grade Methods

Pass/No Pass

CIT 013 - AWS 1 Cloud Practitioner-Foundational

3.0 Units

This introductory course provides an overall understanding of cloud computing concepts, AWS core services, security, architecture, storage, networking, pricing, and support.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CIT 021

CIT 014 - AWS 2 Solutions Architect- Associate

4.0 Units

This course will help students develop technical expertise in cloud computing and prepare them for the AWS Certified Solutions Architect - Associate certification exam. The curriculum is delivered through instructor-led classes, knowledge assessments, hands-on labs, and project work. The course covers AWS Cloud, management console, S3 storage, Networking and VPC, cloud migration, continuity, Scalability, database.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CIT 013

CIT 016 - IT Security & Ethical Hacking

4.0 Units

This course is an introduction to IT security and ethical hacking using the latest operating systems, security techniques, and wireless standards. It also covers the fundamentals of system security, network infrastructure, access control, assessments and audits, cryptography, and organizational security. Students gain hands-on experience with various ethical hacking methods and techniques.

Transferability and General Education

Transferable to CSU only

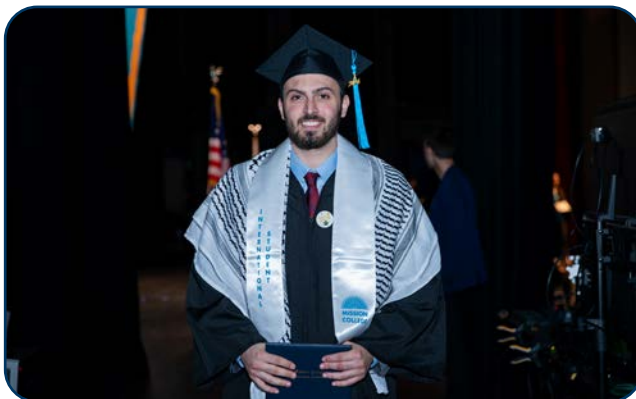
C-ID Course and Title

- ITIS160 Introduction to Information Systems Security

Grade Options

Pass/No Pass

Letter Grade Methods



CIT 017 - Cyber Security Essentials

4.0 Units

The Cybersecurity Essentials course develops foundational understanding of cybersecurity and how it relates to information and network security. This course explores the importance of cybersecurity, data confidentiality, and best practices for using the internet and social media safely. This course introduces students to characteristics of cybercrime, security principles, technologies, and procedures to defend networks. Through interactive, multimedia content, lab activities, and multi-industry case studies, students build technical and professional skills to pursue careers in cybersecurity.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: CIT 021

CIT 018 - CCNA Cyber Security Operations

4.0 Units

The CCNA Cybersecurity Operations course provides an introduction to the knowledge and skills needed for a Security Analyst working with a Security Operations Center team. It teaches core security skills needed for monitoring, detecting, investigating, analyzing and responding to security events, thus protecting systems and organizations from cybersecurity risks, threats and vulnerabilities.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: CIT 017

CIT 021 - Introduction to Cisco Networks (Cisco-1)

4.0 Units

Introduction to Cisco Networks (ITN) is the first course in the CCNA curriculum. It covers the architecture, structure, functions and components of the Internet and other computer networks. Students achieve a basic understanding of how networks operate and how to build simple local area networks (LAN), perform basic configurations for routers and switches, and implement Internet Protocol (IP).

Transferability and General Education

Transferable to CSU only

C-ID Course and Title

- ITIS150 Computer Network Fundamentals

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: CIT 021

CIT 022 - Switching, Routing, and Wireless Essentials

4.0 Units

Switching, Routing, and Wireless Essentials (SRWE) course is the second course in the CCNA curriculum. It covers the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts. Students learn how to configure and troubleshoot routers and switches for advanced functionality using security best practices and resolve common issues with protocols in both IPv4 and IPv6 networks.

Transferability and General Education

Transferable to CSU only

C-ID Course and Title

- ITIS151 Switching, Routing and Wireless Essentials

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: CIT 021

CIT 023 - Enterprise Networking, Security, and Automation

4.0 Units

Enterprise Networking, Security, and Automation (ENSA) is the third course in the CCNA curriculum. It describes the architecture, components, operations, and security to scale for large, complex networks, including wide area network (WAN) technologies. The course emphasizes network security concepts and introduces network virtualization and automation. Students learn how to configure, troubleshoot, and secure enterprise network devices and understand how application programming interfaces (API) and configuration management tools enable network automation.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: CIT 022

CIT 024 - Implementing and Administering Cisco Networking Technologies

4.0 Units

The course is advanced course that provides students with the required knowledge to develop a comprehensive foundation for designing, securing, operating, and troubleshooting modern computer networks, on the scale from small business networks to enterprise networks, with an emphasis on hands-on learning and essential career skills like problem solving and collaboration.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: CIT 023

CIT 078 - Microsoft Server Essentials

4.0 Units

This course focuses primarily on the installation, storage, “compute features and functionality” and the “networking features and functionality” available in Windows Server 2019. It covers general installation tasks, creation and management of images for deployment. It also covers local and server storage solutions, including the configuration of disks and volumes, Data Deduplication, High Availability and Disaster Recovery. The course also covers Hyper-V and containers, along with the maintenance and monitoring of servers, DNS, DHCP, in addition to remote access solutions, such as VPN and Direct Access. It also covers DFS and BranchCache solutions, high performance network features and functionality.

Transferability and General Education

Transferable to CSU only

C-ID Course and Title

- ITIS155 Systems and Network Administration

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: CIT 011

Communication Studies (COM)

COM 001 - Introduction to Public Speaking

3.0 Units

This course helps students build confidence and skills in oral communication. Students prepare and deliver various types of presentations by learning to manage speech anxiety, present using multimedia, and effectively research, organize, and analyze speeches.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 1C - Oral Communication
- California State University General Education-Breadth (CSU GE-B)
- Area A1 - Oral Communication

C-ID Number and Title

- C-ID COM 110 Public Speaking

AA/AS General Education Requirements

- A-1B - Oral Communication & Critical Thinking

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

COM 001H - Introduction to Public Speaking - Honors

3.0 Units

This honors course helps students build confidence and skills in oral communication. Students prepare and deliver various types of presentations by learning to manage speech anxiety, present using multimedia, and effectively research, organize, and analyze speeches, all at an enhanced level. Students cannot receive credit for both COM 001 and COM 001H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 1C - Oral Communication
- California State University General Education-Breadth (CSU GE-B)

- Area A1 - Oral Communication

AA/AS General Education Requirements

- A-1B - Oral Communication & Critical Thinking

C-ID Number and Title

- COMM 110 Public Speaking

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

COM 008 - Improving Communication in Interpersonal Relationships

3.0 Units

This course prepares students with practical communication skills and knowledge to create satisfying relationships in all aspects of their daily lives: families, friends, romantic partners, and coworkers. Students will learn how theoretical perspectives and research methods (e.g., experiments, surveys, field experience, interviews) influence our understanding and development of skills such as self-awareness, verbal and nonverbal communication, effective listening, emotional expression, and conflict management. C-ID # COMM 130.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

- Area D - Social Sciences

C-ID Number and Title

- COM 130

AA/AS General Education Requirements

- A-7 - Lifelong Learning

- A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

COM 008H - Improving Communication in Interpersonal Relationships - Honors

3.0 Units

This honors course prepares students with practical communication skills and knowledge to create satisfying relationships in all aspects of their daily lives: families, friends, romantic partners, and coworkers. Students will learn how theoretical perspectives and research methods (e.g., experiments, surveys, field experience, interviews) influence our understanding and development of skills such as self-awareness, verbal and nonverbal communication, effective listening, emotional expression, and conflict management. Students cannot receive credit for both COM 008 and COM 008H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

C-ID Number and Title

- COM 130

AA/AS General Education Requirements

- A-7 - Lifelong Learning

- A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

COM 010 - Persuasive Speaking

3.0 Units

This course helps students understand, evaluate, and apply persuasive speaking concepts at both personal and societal levels. Students learn to prepare and deliver compelling persuasive speeches and critically analyze oral persuasion appeals by others.

Transferability and General Education

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 1C - Oral Communication
- California State University General Education-Breadth (CSU GE-B)
- Area A1 - Oral Communication
- AA/AS General Education Requirements
- A-1B - Oral Communication & Critical Thinking

Grade Options

Pass/No Pass

Letter Grade Methods

COM 012 - Intercultural Communication

3.0 Units

This course explores how culture and context can impact the way we use and interpret human communication. Students will learn the practical skills and knowledge to communicate effectively across global cultures and within co-cultures of various societies.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
- Area E - Lifelong Learning and Self Development
- C-ID Number and Title

- COMM 150 Intercultural Communication

AA/AS General Education Requirements

- A-3 - Arts & Humanities
- A-7 - Lifelong Learning

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

COM 014 - Teamwork and Leadership in Small Groups

3.0 Units

This course prepares students with extensive theoretical knowledge to function competently in diverse group contexts by guiding them through major theories, concepts, ethical dilemmas, and underlying research methods framing the exploration of social interaction in small groups and teams. Through contemporary, historical, and cross-cultural lenses, students examine how groups fit into organizational, cultural, and societal structures, as well as how those structures shape the framework for the behavior of the individual as well as the group. Through applied research and experiential learning, students will identify, evaluate, and practice communication competence related to teamwork, leadership, group climates/culture, group roles, problem analysis and decision-making, and conflict management.

Transferability and General Education

C-ID Number and Title

- COMM 140 Small Group Communication
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences
- Intersegmental General Education Transfer Curriculum (IGETC)
- Area 4 - Social and Behavioral Sciences
- AA/AS General Education Requirements
- A-1B - Oral Communication & Critical Thinking
- A-4 - Social and Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: ENG001A or ENG001AX

COM 015 - Fundamentals of Human Communication in Professional and Career Contexts

3.0 Units

Students will be introduced to the fundamentals of communication in interpersonal, small group, organizational, and public speaking contexts with emphasis on career building strategies. This course provides students with the knowledge from the foundational areas of Communication Studies to navigate the workplace and other organizations. Students will develop and deliver business presentations, and will learn skills such as networking, interviewing, teamwork, leadership, organizational culture, cross-cultural communication, and conflict management in career settings.

Transferability and General Education

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 1C - Oral Communication
- California State University General Education-Breadth (CSU GE-B)
- Area A1 - Oral Communication
- AA/AS General Education Requirements
- A-1B - Oral Communication & Critical Thinking
- C-ID Course and Title
- COMM 115 Survey of Human Communication

Grade Options

Pass/No Pass

Letter Grade Methods

COM 020 - Argumentation, Advocacy, and Debate

3.0 Units

This course prepares students with practical communication skills and knowledge to effectively and ethically engage in argumentation and debate about socially relevant issues. Students will participate in hands-on learning (e.g., game formats) through various speaking and debate activities. Specific areas addressed include uses and misuses of reasoning, discovery and use of evidence, and critical analysis of persuasive strategies.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 1C - Oral Communication
- California State University General Education-Breadth (CSU GE-B)
- Area A1 - Oral Communication
- Area A3 - Critical Thinking
- AA/AS General Education Requirements
- A-1B - Oral Communication & Critical Thinking
- C-ID Number and Title
- COMM 120 Argumentation or Argumentation and Debate

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

COM 020H - Argumentation, Advocacy, and Debate - Honors

3.0 Units

This honors course prepares students with practical communication skills and knowledge to effectively and ethically engage in argumentation and debate about socially relevant issues. Students will participate in hands-on learning (e.g., game formats) through various speaking and debate activities. Specific areas addressed include uses and misuses of reasoning, discovery and use of evidence, and critical analysis of persuasive strategies. Students cannot receive credit for both COM 020 and COM 020H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 1C - Oral Communication

California State University General Education-Breadth (CSU GE-B)

- Area A1 - Oral Communication

- Area A3 - Critical Thinking

AA/AS General Education Requirements

- A-1B - Oral Communication & Critical Thinking

C-ID Number and Title

- COMM 120 Argumentation or Argumentation and Debate

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

COM 080 - Interviewing Skills

1.0 Units

In this course students develop practical skills and strategic knowledge to effectively engage in various types of interviews (e.g., informational, employment, performance appraisals). Techniques include pre-interview preparation, dynamics of interviews, salary negotiations and follow-up. Students also learn to conduct interviews.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

COM 081 - Storytelling

1.0 Units

Students learn strategies for discovering and crafting their personal stories for various occasions such as job interviews, professional events, special occasions, social gatherings, etc. The course provides guidance on how to structure, adapt, and confidently present stories that authentically connect with others.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

COM 090A - Selected Topics and Activities In Communication - Series 1

1.0 Units

In this course, students will contract with an instructor to complete one or more communication activities adapted to student interest. Examples include professional and/or community speaking, conversation group leader for ESL students, workplace/career skills and projects, speech competition, conflict management, and other communication topics of special interest to the student.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

COM 090B - Selected Topics and Activities In Communication - Series 2

1.0 Units

In this course, students who completed COM090A will complete either a new communication activity or an intermediate level of the previously completed COM 090A activity. Examples include professional and/or community speaking, conversation group leader for ESL students, workplace/career skills and projects, speech competition, conflict management, and other communication topics of special interest to the student.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: COM 090A

COM 090C - Selected Topics and Activities In Communication - Series 3

1.0 Units

In this course, students who completed COM090A and COM090B will complete either a new communication activity or a significantly advanced level of the previously completed COM090A and COM090B activity. Examples include professional and/or community speaking, conversation group leader for ESL students, workplace/career skills and projects, speech competition, conflict management, and other communication topics of special interest to the student.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: COM 090B



Counseling (COU)

COU 000A - Orientation to Mission College

0.5 Units

This course provides new students with basic information needed to attend college. It includes an orientation to Mission College programs and services, assessment information, registration procedures, an overview of general education requirements, and educational planning.

Grade Options

Pass/No Pass

COU 005 - Strategies For Success

3.0 Units

This is a comprehensive course that integrates critical and creative thinking proficiency, personal growth and values, and academic study strategies. This survey course includes a study of the following topics: role of education in life, college systems, effective learning strategies, academic survival, career information, awareness of personal development and techniques of interpersonal communication. Emphasis is on the attainment of life-long success in academic, professional and personal development.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade methods

COU 007 - University Transfer Planning

1.0 Units

This course provides in-depth information and assistance with the transfer process to four-year colleges/universities. It is designed to enable students to actively participate in planning their educational and career goals by providing information about the process and requirements for transferring from a community college to a university. Lower division major and general education requirements, college/university selection, admission procedures, competitive selection criteria, application deadlines, financial aid and scholarship information are covered. Use of college catalogs, printed directories and the Internet are necessary to complete assignments.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Pass/No Pass

Letter Grade methods



COU 007H - University Transfer Planning - Honors

1.0 Units

This honors course provides in-depth information and assistance with the transfer process to four-year colleges/universities. Lower division major and general education requirements, college/university selection, admission procedures, state-wide transfer policies, application deadlines, financial aid and scholarship information are covered. Students have the opportunity to broaden their perspectives by examining the changes in the education policies and regulations that impact society and may influence their transfer planning and admission to a university. Use of college catalogs, printed directories and the Internet are necessary to complete assignments. Students cannot get credit for both COU 007 and COU 007H. Enrollment in the Honors Transfer Project is required.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Pass/No Pass

Letter Grade methods

COU 012 - Careers and Lifestyles

3.0 Units

This course assists the student in examining the components of career choice. The focus is on career, personal and educational awareness as they relate to the process of career choice and major selection. Students identify personal interests, values, abilities and skills and use self-assessment instruments to help them identify career options. Lifestyles and personal satisfaction are discussed as related to the world of work. Decision-making strategies, resume writing, interviewing skills and job search techniques are reviewed.

Transferability and General Education

Transferable to CSU only

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade Methods

Pass/No Pass

COU 012A - Career and Personality Assessments

1.0 Units

This course assists students in exploring individual interests through the use of a variety of career assessments. The focus is on career, personal and educational awareness as they relate to the process of career choice and major selection. Students identify personal interests, values, abilities and skills and use self-assessment instruments to help them identify career options.

Transferability and General Education

Transferable to CSU only

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade Methods

Pass/No Pass

COU 012C - Career Search Tools

1.0 Units

This course assists students in the area of job search skills. Students learn to market themselves using resume writing and interview skills, and to identify different types of skills and how they relate to job requirements. Occupational trends are examined. This course may also be offered via distance learning.

Grade Options

Pass/No Pass

Letter Grade Methods

COU 017 - Transfer Success and Life Transitions

3.0 Units

Through the context of transferring from a community college to a university, this course introduces students to appropriate life skills that can help them achieve greater success in their educational, personal, and professional lives. The course is designed specifically for students interested in successfully navigating the process of transferring to a college or university. Topics include: self-awareness; goal setting; motivation; learning styles; critical thinking; decision making; degree options; university systems and transfer programs; education planning; time management and procrastination; money management and financial aid; effective communication; unique transitional considerations for transfer students; and maintaining a healthy lifestyle.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

• Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

• A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade methods

COU 055 - Valuing Identity and Cultural Diversity

3.0 Units

This course examines personal identity development and cultural diversity, while exploring self-concepts, values and beliefs in order to promote respect for differences and develop a sense of community. Using race, culture and education as a frame of reference, issues of inequality and social justice are explored to discover their influence on personal development, learning, and agency. The relationship between personality development and culture, barriers to cross-cultural interaction and communication styles will also be explored while primarily focusing on the impacts of people of disproportionate backgrounds in the US - African Americans, Asian Americans, Hispanic Americans and Asian Americans.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

• Area D - Social Sciences

• Area E - Lifelong Learning and Self Development

Intersegmental General Education Transfer Curriculum (IGETC)

• Area 4 - Social and Behavioral Sciences

AA/AS General Education Requirements

• A-4 - Social & Behavioral Sciences

• A-7 - Lifelong Learning

Grade Options

Letter Grade Methods

Pass/No Pass

COU 812 - Careers and Lifestyles

0.0 Units

This course assists the student in examining the components of career choice. The focus is on career, personal, and educational awareness as they relate to the process of career choice and major selection. Students identify personal interests, values, abilities, and skills and use self-assessment instruments to help them identify career options. Lifestyles and personal satisfaction are discussed as related to the world of work. Decision-making strategies, resume writing, interviewing skills, and job search techniques are reviewed. (noncredit course - not degree applicable)

Grade Options

Satisfactory Progress

COU 812A - Career and Personality Assessments

0.0 Units

This course assists students in exploring individual interests through the use of a variety of career assessments. The focus is on career, personal and educational awareness as they relate to the process of career choice and major selection. Students identify personal interests, values, abilities and skills and use self-assessment instruments to help them identify career options. (noncredit course - not degree applicable)

Grade Options

Satisfactory Progress

COU 812C - Career Search Tools

0.0 Units

This course assists students in the area of job search skills. Students learn to market themselves using resume writing and interview skills, and to identify different types of skills and how they relate to job requirements. Occupational trends are examined. This course may also be offered via distance learning. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Economics (ECN)

ECN 001A - Principles of Macroeconomics

4.0 Units

This course is an introduction to macroeconomic analysis. Topics include aggregate measures of economic activity, such as gross domestic product, unemployment, and inflation; market systems; macroeconomic models and their equilibria; effects of fiscal and monetary policy; economic growth; evolution of economic thought; and international economics. The course also includes an online lab component that reinforces concepts learned through deeper learning and applications, and offers additional practice with solving problems in economics.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

• Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

• Area D - Social Sciences

AA/AS General Education Requirements

• A-4 - Social & Behavioral Sciences

C-ID Course and Title

ECON 202 Principles of Macroeconomics

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Elementary Algebra Skills

Advisory: Intermediate Algebra Skills

ECN 001B - Principles of Microeconomics

4.0 Units

This course is an introduction to microeconomic analysis that focuses on choices of individual economic decision makers. Topics include scarcity and resource allocation, elasticity, market equilibrium in competitive and non-competitive market structures, consumer behavior, production decisions, income distribution, market failure and effects of government intervention. This course includes a lab component which provides additional practice and deeper learning and applications.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

C-ID Course and Title

ECON 201 Principles of Microeconomics

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Elementary Algebra Skills

Advisory: Intermediate Algebra Skills.

ECN 006 - The Global Economy

3.0 Units

This course examines the core concepts and prominent forces of international economics and the relationships of nations and their economic policies. Opinions and viewpoints from a range of individuals in the private and public sector from around the globe are presented to expand insight into the increasing economic interdependence of nations.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

Engineering (EGR)

EGR 010 - Introduction to Engineering

4.0 Units

This course exposes students to the field of engineering and the various engineering disciplines. The course presents the basic skills necessary to succeed as an engineering student. The nature of engineering work and the roles of engineers are explored. The Engineering Design Process is addressed through

multiple team-based projects and engineering problem-solving topics. Communication skills for technical presentations and reports are developed through practical engineering scenarios. Guest speakers from local engineering firms and tours to local companies are included.

Transferability and General Education

Transferable to both UC and CSU

C-ID Course and Title

- ENGR 110 Introduction to Engineering

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: Elementary Algebra Skills

EGR 010H - Introduction to Engineering - Honors

4.0 Units

This course is the honors version of Introduction to Engineering. This course exposes students to the field of engineering and the various engineering disciplines. The course presents the basic skills necessary to succeed as an engineering student. The nature of engineering work and the roles of engineers are explored. The Engineering Design Process is addressed through multiple team-based projects and engineering problem-solving topics. Communication skills for technical presentations and reports are developed through practical engineering scenarios. Guest speakers from local engineering firms and tours to local companies are included. Students may not receive credit for both EGR 010 and EGR 010H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

C-ID Course and Title

ENGR 110 Introduction to Engineering

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: Elementary Algebra Skills.

EGR 023 - Mechanics - Statics

3.0 Units

This course applies the principles of mechanics to evaluate the static equilibrium of two- and three- dimensional engineering structures. Topics include the equilibrium of particles, equivalent force systems, equilibrium of rigid bodies, distributed loads, internal forces in beams, sheer and bending moment diagrams, truss analysis, and friction. This course is primarily for engineering transfer students.

Transferability and General Education

Transferable to both UC and CSU

C-ID Course and Title

ENGR 130 Statics

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: (MAT 003B or higher level math) and PHY 004A

EGR 024 - Introduction to Circuit Analysis

3.0 Units

This is an introductory course in the analysis of electric circuits. The emphasis is on analysis and setting up equations arising from the applications of Kirchoff's Laws, Ohm's Law, and Thevenin's & Norton's Theorems, both in DC and AC circuits. Topics include mesh and nodal analysis, periodic forcing functions, phasors, frequency response, resonant circuits, transient responses, dependent sources, and operational amplifiers. This course is primarily for engineering transfer students.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: MAT 003B and PHY 004B

Advisory: MAT 004A

EGR 024L - Introduction of Circuit Analysis Laboratory

1.0 Units

This course is an introduction to the construction and measurement of electrical circuits. Basic use of electrical test and measurement instruments including multimeters, oscilloscopes, power supplies, and function generators. Use of circuit simulation software. Interpretation of measured and simulated data based on principles of circuit analysis for DC, transient, and sinusoidal steady-state (AC) conditions. Construction and measurement of basic operational amplifier circuits. This course is primarily for engineering transfer students.

Transferability and General Education

Transferable to both UC and CSU

C-ID Course and Title

ENGR 260 L Circuit Analysis Lab

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: MAT 003B and PHY 004B

Corequisite: EGR 024

EGR 025 - Engineering Graphics and Design

4.0 Units

This course develops graphical visualization and design skills by applying graphics based engineering methods. The course also teaches engineering design by applying the conceptual design process and integrating graphics into design projects. Graphics assignments develop sketching, manual drafting, and computer aided drafting (CAD) skills. This course is primarily for engineering transfer students.

Transferability and General Education

Transferable to both UC and CSU

C-ID Course and Title

ENGR 150 Engineering Graphics

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite MAT 000D or MAT 002 or MAT 003A or MAT 003AH

EGR 026 - Engineering Materials

4.0 Units

This course presents the internal structures and resulting behaviors of materials used in engineering applications, including metals, ceramics, polymers, composites, and semiconductors. The emphasis is upon developing the ability both to select appropriate materials to meet engineering design criteria and to understand the effects of heat, stress, imperfections, and chemical environments upon material properties and performance. Laboratories provide opportunities to directly observe the structures and behaviors discussed in the course, to operate testing equipment, to analyze experimental data, and to prepare reports.

Transferability and General Education

Transferable to both UC and CSU

C-ID Course and Title

ENGR 140 B Materials Science and Engineering

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: (CHM 001A or CHM 001AH) and PHY 004A

EGR 030 - Introduction to Computing for Engineers

4.0 Units

This course introduces software development using a high level language such as C or C++. Engineering problems are solved through software programming techniques and by interfacing software to hardware circuits by using sensors. A microcontroller such as Arduino is used.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-1B - Oral Communication & Critical Thinking

C-ID Number and Title

- COMP 122 Programming Concepts and Methodology I

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: MAT 001 or MAT 002

English (ENG)

ENG 001A - English Composition

3.0 Units

Students will enhance their critical reading, writing, and research skills by exploring and applying various techniques writers use in terms of approach, tone, word choice, organization, selection of support materials, etc. in order to impact their target audience and achieve their purpose. English 001A fulfills the English requirement for the Associate degree. This course also satisfies the English requirement for baccalaureate degrees.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area A2 - Written Communication

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 1A - English Composition

AA/AS General Education Requirements

- A-1A - English Composition

- A-1B - Oral Communication & Critical Thinking

C-ID Number and Title

- ENGL 100 College Composition

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College Placement Process

ENG 001AX - English Composition with Additional Support

5.0 Units

Students will enhance their critical reading, writing, and research skills by exploring and applying various techniques writers use in terms of approach, tone, word choice, organization, selection of support materials, etc. in order to impact their target audience and achieve their purpose. Taking this version of English Composition offers students more instructor-to-student interaction and student-to-student collaboration; more explanations, examples, guidance through assignment steps, opportunities for practice, and feedback; more help with research and citing; more opportunities to build and participate in community. English 001A fulfills the English requirement for the Associate degree. This course also satisfies the English requirement for baccalaureate degrees.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area A2 - Written Communication

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 1A - English Composition

AA/AS General Education Requirements

- A-1A - English Composition

C-ID Number and Title

- ENGL 100 College Composition

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College Placement Process

ENG 001B - English Composition and Literature

3.0 Units

This course continues emphasis on English composition skills with an introduction to techniques of reading and writing about literature and acquiring skills in analysis and interpretation.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 1B - Critical Thinking

California State University General Education-Breadth (CSU GE-B)

- Area A3 - Critical Thinking

- Area C2 - Humanities

AA/AS General Education Requirements

- A-1B - Oral Communication & Critical Thinking

- A-3 - Arts & Humanities

C-ID Number and Title

- ENGL 120 Introduction to Literature

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ENG 001A or ENG 001AX

ENG 001C - Clear Thinking in Writing

3.0 Units

This course continues an emphasis on English composition skills and enhancing critical thinking, particularly in the reading and writing of arguments. Course content includes analytical reading skills and methods of analysis, principles of logic, techniques of reasoning and style, and research skills. This course may be offered via distance learning.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 1B - Critical Thinking

California State University General Education-Breadth (CSU GE-B)

- Area A3 - Critical Thinking

AA/AS General Education Requirements

- A-1B - Oral Communication & Critical Thinking

C-ID Number and Title

- ENGL 105 Argumentative Writing and Critical Thinking

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: ENG 001A or ENG 001AX

ENG 005A - English Literature through the 18th Century

3.0 Units

This course is a survey of English literature that begins with Anglo-Saxon writings and the epic "Beowulf" and extends through the works of the eighteenth century ending with the writings of Samuel Johnson.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

AA/AS General Education Requirements

- A-3 - Arts & Humanities

C-ID Number and Title

- ENGL 160 Survey of British Literature 1

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX



ENG 005B - English Literature from the 19th Century to Present

3.0 Units

This course is a chronological survey of the second half of English literature, beginning with the Romantic Period of the nineteenth century and continuing to the present.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

AA/AS General Education Requirements

- A-3 - Arts & Humanities

C-ID Number and Title

- ENGL 165 Survey of British Literature 2

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

ENG 006B - Survey of World Literature

3.0 Units

World Literature is the study of representative works of world literature from the seventeenth century to the present. The course emphasizes the literary and cultural significance of selected great works of Western and non-Western literary traditions, including women's, minority, and ethnic literature from around the world.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

AA/AS General Education Requirements

- A-3 - Arts & Humanities

C-ID Number and Title

- ENGL 145 Survey of World Literature 2

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

ENG 007A - American Literature to 1865

3.0 Units

This course covers major American writers and literary traditions through 1865. It begins with Native American works and ends with the work of Walt Whitman.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

AA/AS General Education Requirements

- A-3 - Arts & Humanities

C-ID Number and Title

- ENGL 130 Survey of American Literature 1

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

ENG 007B - American Literature 1865 to Present

3.0 Units

This course covers major American writers and literary traditions from 1865 to the present.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

C-ID Number and Title

- ENGL 135 Survey of American Literature 2

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

ENG 012 - African American Literature

3.0 Units

This course explores major themes/literary issues in the development of African American literature during the periods of slavery, reconstruction, and the Harlem Renaissance, as well as contemporary writing. Among the literary forms covered in this course are the oral tradition, poetry, slave narratives, short stories, and novels. While linking them to political, cultural, and social issues from their historical period, the course examines issues such as: African oral traditions; blues, jazz, and the relationship between music and African American writing; the performance of literary text on the abolitionist stage; racial categorization and mixed-race identity; the literature of slavery; and the influences of African American writing on American literature. The course is crosslisted as ETH 012.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

- Area F - Ethnic Studies Requirement

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities

AA/AS General Education Requirements.

- A-3 - WVM Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

ENG 013 - Latina/o Literature

3.0 Units

This course provides an introduction to authors, topics, and societal issues in Latina/o literature from the 19th century to the present. Readings cover a variety of literary forms: novels, short stories, poems, drama, autobiography, and/or essays. This course will review Latina/o literature in relation to political movements and consider how Latina/o literature engages issues of race, gender, class, sexuality, immigration, colonialism, and decolonialism, while exploring diverse spaces in which Latina/os make community in the United States. A variety of critical lenses will be used in the study of literature, including critical race, gender, and sexuality studies, and critical and comparative ethnic studies. We will consider how literature is fundamental in working through social justice issues within the Latina/o communities and at large. The course is cross listed as ETH 013.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
- Area F - Ethnic Studies Requirement

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- AA/AS General Education Requirements

- A-3 - Arts & Humanities
- A-6 - Ethnic Studies

Grade Options

Pass/No Pass

Letter Grade Methods

ENG 015 - Introduction to Film Analysis

3.0 Units

This course covers critical analysis of film as a literary art form. Exemplary motion pictures are viewed and examined with special attention to film technique, thematic content, and aesthetic values.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- AA/AS General Education Requirements

- A-3 - Arts & Humanities

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

ENG 043 - Classical Mythology

3.0 Units

An introduction to the literature, art, and historical contexts of Greek and Roman mythology, this course examines the meaning and function of myth from antiquity to the present day.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

ENG 048 - Introduction to Shakespeare

3.0 Units

Introduction to Shakespeare is a study of selected plays and sonnets. The course emphasizes detailed analysis of representative tragic, comedic, romance, and history plays, as well as the cultural contexts, dramatic conventions, poetics, and critical theory relevant to understanding Shakespeare's works. The course also focuses on critical analysis of issues including, but not limited to gender, sexuality, and race as they are represented in both source material and literary criticism.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
- AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

ENG 070 - Creative Writing

3.0 Units

Creative Writing focuses on imaginative writing, specifically on fiction, poetry, creative nonfiction and drama. Students learn and practice various strategies associated with these genres, read and workshop each other's writing, and read/analyze the work of professional writers. Other activities may include attending literary events, hearing visiting writers, and making book presentations.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
- AA/AS General Education Requirements

- A-3 - Arts & Humanities

C-ID Number and Title

- ENGL 200 Introduction to Creative Writing

Grade Options

Letter Grade Methods

Pass/No Pass

English As A Second Language (ESL)

ESL 930LC - High Beginning Language and Culture

3.0 Units

This is the first of a two course sequence designed to help the high-beginning student develop strategies for communicating in the English language. Although some strategies for speaking are included, the emphasis is on developing skills in listening, reading, vocabulary and writing. Topics of American culture are covered. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.



ESL 940LC - Low Intermediate Language and Culture

3.0 Units

This is the second semester of a one-year course. It is designed to help the low-intermediate student develop and strengthen strategies for communicating in the English language. Although strategies for speaking are covered, the emphasis is on developing skills in listening, writing, and reading. Topics of American culture are covered. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process

ESL 940LS - Low Intermediate Listening and Speaking

3.0 Units

This course continues the development of listening comprehension and speaking skills. Listening focuses on comprehension of oral instructions and questions, of high-frequency vocabulary in context, and of main ideas and details in conversations and lectures. Speaking focuses on the clear pronunciation of common words and phrases and continues the development of basic English pronunciation patterns of stress and intonation. (credit course - not degree applicable)

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

ESL 940PL - Low Intermediate Pronunciation and Listening

3.0 Units

Low-Intermediate level students receive guidance and extensive practice on the most important aspects of American English pronunciation. These include fundamental sound-spelling patterns, important vowel and consonant contrasts, syllables, word stress, and key intonation patterns. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process

ESL 940RW - Low Intermediate Reading and Writing

6.0 Units

This course develops students' reading, writing, grammar and vocabulary skills at the low-intermediate level. Students develop strategies to comprehend level-appropriate texts and write fluent and accurate simple and compound sentences as well as paragraphs. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

ESL 945GE - Intermediate Grammar and Editing

2.0 Units

In this intensive intermediate level ESL course students review and apply level-appropriate grammatical structures to develop sentence accuracy and fluency in standard written and spoken English. The course focuses on the understanding and practice of sentences in various tenses, varied placement of sentence elements, and error correction. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

ESL 950 RW - Intermediate Reading and Writing

6.0 Units

This course develops writing fluency and reading, grammar and vocabulary skills at the intermediate level. Students develop strategies to comprehend level-appropriate texts using fiction and nonfiction reading materials and increase their ability to write accurate compound and complex sentences and effective paragraphs on familiar and academic topics. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

ESL 950EC - ESL for Child Development: Introduction

3.0 Units

This intermediate course develops oral and written English language skills necessary to introduce young children, to objectively describe their actions, and to identify and reflect on individual children's needs and preferences. (credit course - not degree applicable)

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process

ESL 950LS - Intermediate Listening and Speaking

3.0 Units

Intermediate level ESL students practice effective oral communication for a variety of social, academic, and professional situations. Students develop skills to express ideas effectively focusing on vocabulary, syntax and idioms. The course emphasis is on improving listening and speaking skills leading to oral fluency in one-on-one and small group situations. (credit course - not degree applicable)

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

ESL 950PL - Intermediate Pronunciation and Listening

3.5 Units

Intermediate level students receive guidance and extensive practice in oral production and listening skills. Listening focuses on comprehension of sentences, dialogs and paragraphs and on discrimination of sound patterns in American English. Pronunciation focuses on stress, intonation, rhythm, phrasing and linking as well as consonants and vowels. The course emphasis is on overall pronunciation improvement so as to make spoken communication more intelligible. This course consists of two-thirds lecture and one-third lab work that facilitates skill development. (credit course - not degree applicable)

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

ESL 950RW - Intermediate Reading and Writing

5.0 Units

This intermediate level course develops students' writing fluency and reading skills through the study of a variety of fiction and nonfiction reading materials. Students increase their ability to write effective, grammatically correct sentences and short compositions. Writing skills focus on using participial, gerund, and infinitive phrases and adverbial, adjective and noun clauses in complex sentences to express ideas related to reading content. Reading skills focus on the acquisition and use of new vocabulary, the strategies to understand and interpret content, reading a novel and completing a library project. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

Advisory: ESL 950EC

ESL 955EC - ESL for Child Development: Factors

3.0 Units

This intermediate course develops oral and written English language skills to describe a child's development, appearance, and environment as well as to identify and reflect on factors that affect development. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process

ESL 960 RW - High Intermediate Reading and Writing

6.0 Units

This course develops fluency in reading, writing, grammar and vocabulary skills for English language learners at the high-intermediate level. Students develop strategies to comprehend and analyze level-appropriate fiction and nonfiction texts and write developed, well-organized, and grammatically correct sentences and paragraphs on familiar and abstract topics. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Prerequisite: Completion of the Mission College ESL Placement process

ESL 960EC - ESL for Child Development: Domains I

3.0 Units

This high intermediate course develops oral and written English language skills necessary to identify, describe and support a child's socio-emotional and motor development. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process

Advisory: ESL 955EC

ESL 960LS - High Intermediate Listening and Speaking

3.0 Units

This high intermediate course continues to develop ESL students' oral communication skills in a variety of academic, business, and social contexts. Students increase their knowledge of vocabulary, idiomatic expressions, and communication strategies as well as improve their listening comprehension and note-taking skills. The course emphasis is on the development of oral fluency and the appropriate use of complex language functions in small and large group communication and presentations. (credit course - not degree applicable)

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

ESL 960RW - High Intermediate Reading and Writing

5.0 Units

This high intermediate course for non-native speakers focuses on developing fluency and accuracy in both reading and writing. Students develop strategies to understand and react to readings of progressively longer lengths from a variety of sources including personal, academic, literary, and professional. Students also develop the ability to write cohesive, well-organized, grammatically correct paragraphs in a variety of rhetorical patterns about both concrete and abstract topics. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

ESL 965EC - ESL for Child Development: Domains II**3.0 Units**

This high intermediate course develops oral and written English language skills to identify, describe, and support children's cognitive and language development. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process

ESL 965GE - Advanced Grammar and Editing**2.0 Units**

In this intensive advanced level ESL course students review and refine level-appropriate grammatical structures to develop sentence variety, and strengthen accuracy and fluency in academic English. The course focuses on the study and usage of complex sentences in various tenses, varied placement of sentence elements, and error correction. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process

ESL 970AM - Accent Modification**3.0 Units**

Advanced ESL speakers receive guidance and extensive practice in refining oral production and listening skills. Listening focuses on discrimination of sounds in English and on comprehension of connected spoken discourse. Oral production focuses on increasing control of the English sound system. The course emphasis is on overall pronunciation improvement so as to minimize miscommunication or misperception due to foreign accent. (credit course - not degree applicable)

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process

ESL 970LS - Advanced Listening and Speaking**3.0 Units**

This advanced course focuses on developing oral proficiency needed to participate in academic discourse and cross-cultural communication by means of interviews, large group discussions, debates, and presentations. Students receive guidance and extensive practice in listening to academic lectures and multimedia recordings. Students increase their knowledge of various

communication styles as well as effective note-taking strategies including recognizing organizational patterns and outlining main ideas. (credit course - not degree applicable)

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

ESL 970RW - Advanced Reading and Writing**6.0 Units**

This course develops reading, writing, vocabulary, grammar and editing skills for advanced English language learners. Students develop strategies to comprehend, analyze, and evaluate level-appropriate texts, and they read and write paragraphs and essays in a variety of rhetorical styles. Students gain skills for writing thesis statements and paragraphs with appropriate topic sentences, supporting ideas, and details. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

ESL 980 - Effective Writing for Advanced ESL Students**4.0 Units**

This course is for students whose native language is not English. Students write academic essays and a short research paper. Emphasis is on the writing process, academic essay writing, and introductory research skills. The course also provides intensive practice with the sentence patterns, grammatical structures, and academic vocabulary necessary to produce clear, accurate prose. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: ESL 970RW

ESL 985 - Writing for ESL Students in English 001A and English 001AX**2.0 Units**

This course is for students taking English 001A or English 001AX whose native language is not English. This course provides intensive instruction and practice in writing coherent paragraphs and essays for specific audiences. This course includes the drafting, revision, and editing processes as well as instruction in grammar, mechanics, and usage. The course focuses on the sentence patterns, grammatical structures and academic vocabulary necessary to be successful in English 001A / 001AX. (credit course - not degree applicable)

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Corequisite: ENG 001A or ENG 001AX

Ethnic Studies (ETH)

ETH 013 - Latina/o Literature

3.0 Units

This course provides an introduction to authors, topics, and societal issues in Latina/o literature from the 19th century to the present. Readings cover a variety of literary forms: novels, short stories, poems, drama, autobiography, and/or essays. This course will review Latina/o literature in relation to political movements and consider how Latina/o literature engages issues of race, gender, class, sexuality, immigration, colonialism, and decolonialism, while exploring diverse spaces in which Latina/os make community in the United States. A variety of critical lenses will be used in the study of literature, including critical race, gender, and sexuality studies, and critical and comparative ethnic studies. We will consider how literature is fundamental in working through social justice issues within the Latina/o communities and at large. The course is cross listed as ENG 013.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
 - Area F - Ethnic Studies Requirement
- Intersegmental General Education Transfer Curriculum (IGETC)
- Area 3B - Humanities
- AA/AS General Education Requirements
- A-3 - Arts & Humanities
 - A-6 - Ethnic Studies

Grade Options

Pass/No Pass

Letter Grade Methods

ETH 044 - African American History

3.0 Units

This course surveys the political, economic, and social developments of African Americans from the 1619 to the present. Topics include Africans before European contact and slavery in the US, abolitionism, the Civil War, Reconstruction, the rise and resistance to Jim Crow, WWI, WWII, the Civil Rights movement, and the present state of African Americans. The course is cross listed as HIS 044.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
 - Area D - Social Sciences
 - Area F - Ethnic Studies Requirement
- CSU United States History, Constitution and American Ideals
- US-1: Historical development of American institutions and ideals
- Intersegmental General Education Transfer Curriculum (IGETC)
- Area 3B - Humanities
 - Area 4 - Social and Behavioral Sciences
- AA/AS General Education Requirements
- A-3 - Arts & Humanities
 - A-4 - Social & Behavioral Sciences
 - A-6 - Ethnic Studies

Grade Options

Pass/No Pass

Letter Grade Methods

ETH 044H - African American History - Honors

3.0 Units

This course surveys the political, economic, and social developments of African Americans from 1619 to the present. Topics include Africans before European contact and slavery in the US, abolitionism, the Civil War, Reconstruction, the rise and resistance to Jim Crow, WWI, WWII, the Civil Rights movement, and the present state of African Americans. This course is cross-listed with HIS 044H. Students cannot get credit for both ETH 044 and ETH 044H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
 - Area D - Social Sciences
 - Area F - Ethnic Studies Requirement
- CSU United States History, Constitution and American Ideals
- US-1: Historical development of American institutions and ideals
- Intersegmental General Education Transfer Curriculum (IGETC)
- Area 3B - Humanities
 - Area 4 - Social and Behavioral Sciences
- AA/AS General Education Requirements
- A-3 - Arts & Humanities
 - A-4 - Social & Behavioral Sciences
 - A-6 - Ethnic Studies

Grade Options

Pass/No Pass

Letter Grade Methods

Food Service And Restaurant Management (FDR)

FDR 050 - Introduction to the Hospitality Industry

3.0 Units

This course is an overview of the structure and relationship of components within the hospitality and tourism industry with an emphasis on career opportunities, customer service, and cultural and economic trends. Students survey the economic and employment impact of food service, lodging, resorts, recreation, meetings and conventions, attractions, cruise, and travel-related businesses. Students are given information about the Mission College Hospitality Management Program.

Transferability and General Education

Transferable to CSU only

C-ID Course and Title

HOSP 100 Introduction to Hospitality Management

Grade Options

Pass/No Pass

Letter Grade Methods



FDR 051A - Basic Food Preparation

3.0 Units

This is a lecture and laboratory course dealing with the fundamentals of food preparation. Students practice the basic principles of food preparation and prepare small quantities from standard recipes, and international cuisines are introduced. This class covers mise en place, knife skills, and principles of cooking, and incorporates beginning recipes including stocks, sauces, emulsions, fruits and vegetables.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite or Corequisite: FDR 056

FDR 051B - Intermediate Food Preparation

3.0 Units

This lecture lab class is a continuation of the FDR 051A. Students will continue to learn and practice essential food preparation skills needed to be a productive and successful member of a culinary team. In this class, students will learn and practice basic preparation skills in animal protein fabrication and cooking using dry and moist heat cooking methods. In addition, students will also increase their skill levels on techniques in knife skills, stock, and sauce production that were learned in the prior class. Students will learn by studying the basic techniques and practicing on standardized recipes.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: FDR 051A

FDR 051S - Introductory Catering Operations Lab

0.5 Units

The purpose of this class is to increase students' skills, speed, and competence in hands-on food production.

Grade Options

Pass/No Pass

Letter Grade Methods

FDR 052 - Quantity Foods and Auxiliary Services Operations

6.0 Units

In this course students engage in a real cafeteria operation and are rotated through all jobs. The emphasis is on management, quantity food preparation, and teamwork. Action station preparation and catering and banquet operations are emphasized as well. Menu planning, purchasing, commercial kitchen organization, sanitation and safety, and cost accounting are reinforced. Catering, preparation for resale and mobile food operations will be introduced. A chef's uniform is required.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: FDR 051A and FDR 058 and FDR 056

Advisory: FDR 059

FDR 052S - Quantity Foods Catering Lab

0.5 Units

Students must fulfill 24-27.5 hours working on department on-site and off-site banquet and catering events. Activities include, but are not limited to: client contact and communication, event planning, service and execution, breakdown and follow up.

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: FDR 051A

FDR 053 - Restaurant Operations

7.0 Units

The students engage in an actual cafeteria and full service restaurant operation that provides lunch service to the college and community. Occasionally, catering events may be included in the experience. Students rotate through all positions typically found in a full-service restaurant. Additionally, each student is responsible for planning and managing at least one operational day and/or live on-site or off-site catering events. The emphasis is on supervision and management, planning, food preparation, service, and evaluation. Cost accounting, purchasing, supervision, sanitation and safety, are reinforced concepts. Student interface with cloud-based POS functions, online, QR and mobile ordering and payment applications. Front and Back of the House uniforms are required.

Transferability and General Education

Transferable to CSU only

C-ID Course and Title

HOSP 160 Culinary Production and Operations

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: FDR051A and FDR 051B and FDR056 and FDR058

Advisory: FDR059



FDR 053S - Restaurant Operations Catering Lab

0.5 Units

Restaurant Operation. Students must fulfill 27.5 hours working on department on-site and off-site banquet and catering events. Activities include, but are not limited to: client contact and communication, event planning, service and execution, breakdown and follow up.

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: FDR051A

FDR 054 - Hotel and Restaurant Accounting

3.0 Units

This is a study of accounting principles and how hospitality managers use financial statements and accounting information for decision-making purposes. This course covers basic accounting concepts, the accounting cycle, the application of generally accepted accounting principles, the application of the Uniform System of Accounts for hospitality service industries, and the critical analysis and interpretation of financial statements. Also included are issues relating to assets, liabilities, and owner's equity, cash flow, revenue and expenses, managing cash, accounts receivable and accounts payable, forecasting, budgeting and internal controls, and assessing actual performance.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

FDR 055 - Procurement for Foodservice Operations

3.0 Units

This course is a comprehensive study of the procurement systems applicable to any food service operation. "Value added" is a prevalent theme throughout the course as well as the ways in which value is added throughout the distribution channel. The definition of and focus on the control-cycle points within the purchasing process are reinforced. The concept of market-form, current trends, available technology, sustainable purchasing opportunities, and distributor and operator ethics are also covered.

Transferability and General Education

Transferable to CSU only

C-ID Course and Title

HOSP 130 Introduction to Food and Beverage Management (when taken with FDR 075)

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: FDR 050

FDR 056 - Sanitation and Safety

2.0 Units

This class uses the National Restaurant Association Education Foundation's ServSafe® materials to certify students as food service safety managers. This course includes personal hygiene, types of hazards in food service, prevention and control of pathogens and other contaminants in food. Proper storage and cleaning

and sanitizing are also covered. Systems for tracking food safety including HACCP and responding to outbreaks and inspections are taught. Students completing the final exam with 75% correct will be certified food safety managers in all 50 states for 5 years.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

FDR 058 - Cost Control for Foodservice Organizations

3.0 Units

The purpose of this course is to provide students, practicing managers and supervisors a practical foundation that can be utilized to plan and control their operations. The primary objective is to present applications and activities to help students and managers understand the complexities of controlling products, labor, and revenue in food and beverage operations. The students will come to understand that with today's emphasis on cost reduction, quality, service optimization along with the guests demand for increased value for their dollars spent, the management function of control is increasingly significant to operational survival.

Transferability and General Education

Transferable to CSU only

C-ID Course and Title

HOSP 120 Hospitality Cost Control

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: FDR 051A and FDR 075

FDR 059 - Supervision, Management & Leadership

4.0 Units

Traditional and contemporary management theories, principles and practices of supervising and leading people will be discussed. The unique challenges faced by supervisors of front-line and entry level employees will be discussed, as well as the shared & distinct variances in duties between a manager and a leader. Emphasis is placed on effectively directing today's diverse workforce, as well as on the exploration of legal/ethical boundaries, and the socio-political and sustainable dynamics that exists in this post Covid-19, environment. An inventory of personal supervisory and managerial traits and the development of a leadership action plan are also course highlights.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: FDR 050

FDR 060 - Food Service Facilities Planning

3.0 Units

The course is designed to familiarize the student with the complexities of planning, designing and equipping a food service operation.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

FDR 072 - International Cuisine

3.0 Units

This is a continuation of Basic Food Preparation FDR 051. Advanced preparation techniques of gourmet foods are demonstrated. Complete meals and international cuisines are covered. A chef's uniform is required.

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: FDR 051A or FDR 056

FDR 073 - Fundamentals of Baking and Confectionery

2.0 Units

This course introduces the student to baking and confectionery work. Students have an opportunity to observe baking and decorating demonstrations and participate in the preparation of cakes, pies, pastries and desserts. A uniform is required. A fee is charged: check the schedule of classes for exact amount.

Grade Options

Letter Grade Methods

FDR 074 - Intermediate Baking and Confectionery

2.0 Units

This course is a continuation of FDR 073 with an emphasis on advanced baking techniques and skills and confectionery design. A uniform is required. A fee is charged: check schedule of classes for exact amount.

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite or Corequisite: FDR 073 and FDR 056

FDR 075 - Menu Planning

2.0 Units

This course covers the principles of menu planning for commercial, institutional, and industrial food service operations. Since the menu is the primary marketing tool and controlling document that affects every area of operation in the food service facility, all aspects of planning and execution are visited. Special attention is placed on menu psychology and menu price calculation.

Transferability and General Education

Transferable to CSU only

C-ID Course and Title

HOSP 130 Introduction to Food and Beverage Management (when taken with FDR 055)

Grade Options

Letter Grade Methods

Pass/No Pass

FDR 076 - Sales and Marketing in the Hospitality Industry

3.0 Units

This course provides students with the knowledge and practical experiences to understand and develop short term and strategic operating marketing plans for food and lodging segments of the industry. Marketing is emphasized as a management philosophy that guides the design and delivery of guest services.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: FDR 050

FDR 078 - Advanced Baking and Pastry

2.0 Units

This class is the third in the series of hands-on baking classes offered for the Baking and Pastry certificate or A.S. degree. It covers the most advanced baking and decorating techniques. Multiple layer cakes, wedding cake decoration, royal icing, fondant and gum paste decoration are practiced. Advanced piping and other decorative techniques are introduced to advanced pastry students.

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: FDR 073 and FDR 074 and FDR 056

FDR 079 - Introduction to Food and Wine Pairing

3.0 Units

This course introduces students to the fundamentals of food and wine pairing using traditional and non-traditional approaches. Students produce foods from various ethnic cuisines including French, Italian, Spanish, Mexican, Middle Eastern, Asian, and American to pair with wines from around the world. Why good pairings work is examined from a chemical interaction perspective. How to market wines with various menus is also covered.

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: FDR 051A and FDR 056

FDR 081 - Introduction to Wines and Spirits of the World

2.0 Units

This course introduces students to the wide variety of wines, beers, and spirits available in today's market. It covers how food service operations can use their wine, beer, and spirit sales to increase revenues. Liability issues in alcohol service are also discussed. The major wine, beer and spirit production areas of the world are examined. The techniques of production of these beverages are identified. Students taking this course must be over 21; I.D. showing proof of age is requested at the first class meeting.

Grade Options

Pass/No Pass

Letter Grade Methods

FDR 082 - Introduction to Chocolate and Confectionery

2.0 Units

This class introduces students to the fundamentals of chocolate and sugar confectionery work. Chocolate and sugar confectionery techniques, as well as the production of both traditional and contemporary delights, are integral aspects of this course. Tempering, molding and decorating with chocolate and sugar confections and decorations are practiced.

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: FDR 073 and FDR 056

FDR 085 - Foundations for Sustainability in Hospitality, Tourism and Leisure Services

3.0 Units

In this course students are introduced to concepts and principles that explore methods whereby the leisure, tourism and hospitality industries, and related businesses can mitigate some of the impact on the environment and reduce their environmental foot prints. Sustainable initiatives and practices that might favorably impact local communities, national and global hospitality, tourism and tourism developments are researched and assessed. Topics addressed include: energy and water usage, waste management and minimizing waste creation, sustainable procurement across the industry, packaging and marketing, and related topics. A focus is placed on impact on management; guest/customer impact and sentiment, and positive and adverse impact on tourism development. Socio-cultural, socioeconomic and the general advancement of sustainable initiatives are discussed.

Transferability and General Education

Transferable to CSU

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade Methods

FDR 086 - Beginning Bread Making

2.0 Units

Beginning Bread Making introduces students to the functions of baking ingredients (such as yeast, flour, and shortening) and mixing methods for doughs, to fermentation techniques, heat transfer methods, and hearth bread baking. Special emphasis is placed on lean dough production and ways to enrich dough (laminating, rubbing, and cut-in). Students taste and test products that they create, keep a dedicated research notebook to record their end results, as well as complete a research assignment.

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: FDR 073 and FDR 056

FDR 096 - Healthy Cuisine

3.0 Units

An examination of the physical, social and environmental impact of our dietary choices, as well as our relationship with food in general. A progressive analysis of The Standard American Diet as well as basic components of improved eating patterns are presented. This course does not advocate that you adopt a particular way

of eating, as everyone has their own unique dietary needs and preferences. However, a wide variety of special diets and plant-based diet variations, along with the appropriate preparation methods, will be introduced, demonstrated and practiced. A uniform is required.

Transferability and General Education

Transferable to CSU

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: FDR 056

FDR 105 - Catering Management and Operations

2.0 Units

This course provides an in-depth look at the professional caterer, from prospecting and initial client contact to executing the event and follow-up. Students learn about the physical and mental challenges of managing a full service catering operation. A lab fee and uniform requirements apply. A current and valid food handlers card is required for participation in actual live events.

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: FDR 056

FDR 106A - Starting a Mobile Food Business

2.0 Units

Food trucks are a rapidly growing sector of the restaurant industry; they are also proven segues into the world of the brick-and-mortar establishments. In this course you will discover how to develop your business, build your brand, and gain a loyal following. Additionally, you will become familiar with the local ordinances, rules and regulations governing mobile operators. Students will also learn how to adapt the food service operating control cycle to a mobile business.

Grade Options

Letter Grade Methods

Pass/No Pass

FDR 106B - Mobile Food Operations

2.0 Units

FDR 106B is the follow to the mobile business course FDR 106A. In this course, students plan to engage in practical application of setting up, operate and manage a fully equipped mobile kitchen. Students gain hands-on experience at planning, preparing for, and execution of actual food truck service events. Students must



be concurrently enrolled in or have completed Sanitation and Safety course INF 050 or FDR 056. In the case of live operations, students must present a valid and current county food handlers' certification before being allowed to participate. Students must also be concurrently enrolled in, or have successfully completed, FDR 106A. Uniform and lab fee requirements apply.

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Pre or Corequisite: FDR 056

Fire Protection Technology (FPT)

FPT 051 - Fire Protection Organization

3.0 Units

This course provides a general introduction to the field of Fire Protection, including: career opportunities; philosophy and history of fire protection; the organization and function of fire protection services; and a basic introduction to the chemistry and physics of fire and fire control techniques including fire-ground hazards, strategy, and tactics.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: Elementary Algebra Skills.

FPT 052 - Fire Behavior and Combustion

3.0 Units

This course focuses on the theory and fundamentals of how and why fires start and spread, including an in-depth study of fire chemistry, fire behavior and physics, and fundamentals of fire control methods, including fire characteristics of materials and compounds and the use of extinguishing agents and fire control techniques.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: FPT 051 and Elementary Algebra Skills.

FPT 053 - Fire Protection Systems

3.0 Units

This course focuses on fire protection systems including: utilization of portable fire extinguishing equipment including inspection and maintenance procedures; fundamentals of design and operation of various types of sprinkler systems; fundamentals of design and operation of special hazard protection systems and associated fire detection and signaling systems; water supply requirements for standpipe, sprinkler and other fire protection systems.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: FPT 051 or FPT 052

FPT 054 - Building Construction for Fire Protection

3.0 Units

This course provides instruction regarding the theory and fundamentals of building construction: laws, regulations and standards; the Uniform Building Code requirements for fire safety in buildings; classification of buildings by occupancy; elements of building construction and design; and fire protection requirements for buildings, special occupancy areas and open areas.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: FPT 051 and Elementary Algebra Skills

FPT 055 - Fire Prevention Technology

3.0 Units

This course provides instruction on the following: organization and function of fire prevention; fire and life safety inspections; utilization of the Uniform Fire Code and related standards in determining requirements for fire safety; surveying and mapping procedures; recognition of fire and life hazards; engineering and enforcing a solution of a fire hazard; public education aspects of fire prevention; and firefighters' responsibility in determining the cause of fire.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: FPT 051

FPT056 - Hazardous Materials Technology

3.0 Units

This course provides an in-depth study of materials presenting special problems in firefighting operations, including the identification of hazardous materials and the handling procedures utilized for emergencies, and enables first responders to recognize a hazardous materials incident and implement actions to protect themselves, the public, the environment and nearby property while responding in a defensive fashion. Students may obtain a First Responder Operations Certification from California Specialized Training Institute (CSTI) or State Fire Training. Additional costs will be assessed for certification.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: FPT 051 and FPT 052 and Elementary Algebra Skills

FPT 057 - Rescue Practices

3.0 Units

This course is designed to prepare the student to evaluate basic rescue situations and establish a plan of action to safely eliminate the hazard and/or remove the victim(s) taking proper precautions for possible injuries.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: FPT 051

FPT 060 - Wildland Fire Suppression

3.0 Units

This course focuses on the organizational skills necessary for Wildland Fire Suppression. The course is designed to provide the student with the basic knowledge and skills needed prior to emergency response and preparation for the 2019 Firefighter 1 Requirement for Wildland Fire Suppression. Certifications to be announced and optional are; S190 Intro to Wildland Fire Behavior, and S130 Firefighter Training; additional costs will be assessed for certifications. The minimum safety equipment required for the field evolution's consists of an OSHA-approved helmet with chin strap # 44 impact goggles and leather gloves.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: FPT 051

FPT 061 - Structural Fire Suppression Firefighter 2A

3.0 Units

This course provides instruction in: manipulative skill and technical training in the identification and operation of fire service tools and equipment; the tying and employment of fire service knots and hitches; identification, actuation and employment of portable fire service extinguishers; donning and testing of protective breathing apparatus; basic hose evolutions; laying of multiple lines; operating hose lines above and below street level; fire service ladder evolutions; and basic salvage and overhaul techniques.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: FPT 051

FPT 065 - Emergency Medical Technician Theory

6.0 Units

This EMT training program is designed to prepare individuals to render pre-hospital basic life support at the scene of an emergency, during transport of the sick and injured, or during interfacility transfer within an organized EMS system. This course meets all the theory requirements for certification as an Emergency Medical Technician-I as specified in the regulations approved by the State

of California Emergency Medical Services Authority in July 2017. Students must also successfully complete FPT 065L and FPT 065C concurrently with FPT 065 to be eligible for certification.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: HOC 002 or American Heart Association BLS for the Healthcare Provider or equivalent.

Corequisite: FPT 065C and FPT 065L

FPT 065C - Emergency Medical Technician Clinical Experience

0.5 Units

The purpose of this EMT training course is to prepare individuals to render pre-hospital basic life support at the scene of an emergency, during transport of the sick and injured, or during inter-facility transfer within an organized EMS system. This course meets all the clinical requirements for certification as an Emergency Medical Technician as specified in the regulations approved by the State of California Emergency Medical Services Authority in July 2017. This course allows the student to experience "hands-on" skills while caring for patients under the supervision of a preceptor. The student needs to show proof of a current Tuberculosis (TB) skin test.

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: HOC 002 or American Heart Association BLS for the Healthcare Provider or equivalent.

Corequisite: FPT 065 and FPT 065L

FPT 065L - Emergency Medical Technician Laboratory

1.5 Units

The purpose of this EM training course is to prepare individuals to render pre-hospital basic life support at the scene of an emergency, during transport of the sick and injured, or during inter-facility transfer within an organized EMS system. This course meets all the skills-laboratory requirements at the mandated instructor: student ratio of 1:10 for certification as an Emergency Medical Technician I as specified in the regulations approved by the State of California Emergency Medical Services Authority in July 2017. Students must successfully complete concurrently FPT 065 and FPT 065C to be eligible for certification.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass



Course Advisory and Requisites

Prerequisite: HOC 002 or American Heart Association BLS for the Healthcare Provider or equivalent.
Corequisite: FPT 065 and FPT 065C

FPT 180 - Emergency Medical Technician-I Refresher Course

2.0 Units

The purpose of this EMT Refresher Course is to review topics to prepare individuals to render prehospital basic life support at the scene of an emergency, during transport of the sick and injured, or during inter-facility transfer within an organized EMS system. This course meets all the refresher course requirements for recertification as an Emergency Medical Technician as specified in the regulations approved by the State of California Emergency Medical Services Authority in July 2017.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: HOC 002 or American Heart Association BLS for the Healthcare Provider or equivalent.

Advisory: Elementary Algebra Skills.

FPT 200 - Fire Fighter 1 Fire Academy

14.5 Units

This course provides the skills and knowledge needed for the entry level Professional and Volunteer Fire Fighter to perform his/her duties safely, effectively, and competently. The curriculum is based on the most current edition of NFPA 1001 Standard for Fire Fighter Professional Qualifications, the most current edition of NFPA 1051 Standard for Wildland Fire Fighter Professional Qualifications, and the most current edition of NFPA 472 Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents. The seven overarching themes of the California State Fire Fighter I curriculum are: general knowledge germane to the profession, fire department communications, fire ground operations, rescue operations, preparedness and maintenance, wild land suppression activities, and hazardous materials/WMD.

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: (FPT 065 and FPT 065C and FPT 065L and HOC 002 and KIN 039A) or (FPT 065 and FPT 065C and FPT 065L and HOC 002 and KIN 039B) or (FPT 065 and FPT 065C and FPT 065L and HOC 002 and KIN 039C)

Corequisite: KIN 039D



FPT 300A - Fire Prevention Internship Course 1

3.0 Units

This is the first course in the Fire Prevention Internship Program. Students will cover the process and documentation required for annual fire and life safety inspections in business, residential and recreational settings. Topics covered include; Assigned Department Information, Authority and Duties Standards, Codes and Permits, Fire Behavior, Building Construction, and the Inspection process. Fire Prevention Interns are required to take WRK 300FP as a co-requisite to this course and will complete 10-14 hours paid employment per week at a fire agency, Monday through Friday during normal business hours. Interns may be assigned to 2 different agencies.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: FPT 055

Corequisite: WRK 300FP

FPT 300B - Fire Prevention Internship Course 2

3.0 Units

This is the second course in the Fire Prevention Internship Program. Students will continue the process and documentation required for annual fire and life safety inspections in business, residential and recreational settings. The subject areas involved are; Means of Egress, Portable Fire Extinguishers, Hazardous Conditions, Site Access & Emergency Access, Water Supply, Fire Hydrants, Occupancy Classifications & Load. Fire Prevention Interns are required to take WRK 300FP as a co-requisite to this course and will complete 10-14 hours paid employment per week at a fire agency, Monday through Friday during normal business hours. Interns may be assigned to 2 different agencies.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: FPT 300A

Corequisite: WRK 300FP

FPT 300C - Fire Prevention Internship Course 3

3.0 Units

This is the third course in the Fire Prevention Internship Program. Students will continue the process and documentation required for annual fire and life safety inspections in business, residential and recreational settings. Topics covered; Fire Suppression Systems, Fire Detection and Alarm Systems, Plan Review, WUI (Wildland Urban Interface) Inspections, Hazardous Materials, Tent Inspections, and Complaints. Fire Prevention Interns are required to take WRK 300FP as a co-requisite to this course and will complete 10-14 hours paid employment per week at a fire agency, Monday through Friday during normal business hours. Interns may be assigned to 2 different agencies.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: FPT 300B

Corequisite: WRK 300FP

FPT 300D - Fire Prevention Internship Course 4

3.0 Units

This is the fourth and final course in the Fire Prevention Internship Program and is the capstone course. Students will continue the process and documentation required for annual fire and life safety inspections in business, residential and recreational settings. Topics covered are; Hood & Duct Systems, Private Underground Systems, Fire Investigation, Knox Box Inspections, Community Education, Emergency Planning and Preparedness Measures and Fire ground Operations. Fire Prevention Interns are required to take WRK 300FP as a co-requisite to this course and will complete 10-14 hours paid employment per week at a fire agency, Monday through Friday during normal business hours. Interns may be assigned to 2 different agencies.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: FPT 300C

Corequisite: WRK 300FP

FPT 301 - Fire Inspector 1A: Duties and Administration

1.5 Units

This course provides students with a basic knowledge of the roles and responsibilities of a Fire Inspector I including legal responsibilities and authority, codes and standards, the inspection process, confidentiality and privacy requirements, and ethical conduct, and administrative tasks including preparing inspection reports, recognizing the need for a permit or plan review, investigating common complaints, and participating in legal proceedings.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Advisory: FPT 051 or FPT 055

FPT 302 - Fire Inspector 1B: Fire and Life Safety

1.5 Units

This course provides students with a basic knowledge of fire and life safety aspects related to the roles and responsibilities of a Fire Inspector I including building construction, occupancy classifications, occupancy load, means of egress, hazardous conditions, fire growth potential, fire flow, and emergency planning and preparedness measures.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: FPT 301

Advisory: FPT 055

FPT 303 - Fire Inspector 1C: Field Inspection

1.5 Units

This course provides students with a basic knowledge of the field inspection roles and responsibilities of a Fire Inspector I, including basic plan review, emergency access for an existing system, hazardous materials, and the operational readiness of fixed fire

suppression systems, existing fire detection and alarm systems, and portable fire extinguishers.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: FPT 302

Advisory: FPT 055

FPT 304 - Fire Inspector 1D: Field Inspection CA

1.0 Units

This course provides students with a basic knowledge of a Fire Fighter I's field inspection roles and responsibilities specific to California including tents, canopies, and temporary membrane structures; fireworks and explosives; and wildland urban interface environments.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: FPT 303

Advisory: FPT 055

Graphic Design And Multimedia (GDS)

GDS 010 - Artificial Intelligence and Creativity

3.0 Units

This introductory course provides an overview of the history, ethics and creative application of generative artificial intelligence (also referred to as AI or GenAI). Students will gain hands-on experience with a variety of creative AI applications (e.g. text, image and audio generation) as they learn how to solve creative problems, combining their own creative abilities with the power of modern AI tools.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods



GDS 011 - The History of Modern Design

3.0 Units

This introductory survey course focuses on the history, perception, and development of design during the Twentieth Century. The students will develop an understanding of the evolution and role of the Modern Movement and how it affects society. The students will explore the evaluation criteria of two-dimensional and three-dimensional design while examining examples of architecture, industrial, graphic, fashion, and interior design. The students will be introduced to influential Twentieth Century design figures and their work.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Satisfactory Progress

GDS 012 - History of Photography

3.0 Units

This course surveys the history of photography from its origins to the present. Students examine the practice of photography as an art form and as a form of visual communication in historical, socio-political and cultural contexts. The course may be offered in a distance-learning format.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

GDS 015 - Photo-media and Social Change

3.0 Units

This course examines the impact of a wide range of new photographic genres on global social change. This includes analysis of the historical and social context of photojournalism, art photography, and internet multi-media and their influence on culture. Students identify how photography in new media affects human rights and current perceptions of race, gender, sexual orientation, ethnicity and cultural identity.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

GDS 022 - Digital Media for Marketing

3.0 Units

This is a beginning digital media course to prepare students to produce material to be used for marketing purposes, especially social media marketing. Students will create images, videos and other media used in online marketing. Techniques, skills, hardware and software accessible to small business owners and entrepreneurs will be emphasized. The basic principles of photography, lighting, video production and layout are explored.

Transferability and General Education

Transferable to CSU only

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

GDS 032 - Digital Drawing

3.0 Units

This is a beginning digital drawing course for students. Using mobile devices and stylus pens, students work from observation, directed toward realistic rendering of objects through line, shading, pictorial composition and perspective. Areas of exploration include storyboarding, character design, logo, icon, and hand lettering. Students will learn how to use illustration software programs to create commercial screen graphics, video recordings, and printmaking. This course is cross-listed with ART 032.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: ART 031A

GDS 035 - Graphic Design I

3.0 Units

In this introductory course, students learn about the practical, artistic, and technical sides of Graphic Design. Students also begin to gain the necessary critical thinking and technical skills required across the various professional careers within Graphic Design. Students are evaluated through a series of hands-on projects. Multiple software packages within Adobe Creative Cloud (CC) are explored.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

GDS 039A - 3D Animation and Modeling

3.0 Units

This is an introductory course in learning to create 3D animation. Students learn creative techniques using 3D modeling and animation software, including modeling, rigging, texture mapping,

lighting effects and animation. Students produce 3D animation projects. Students also analyze the historical and contemporary trends in computer animation films.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: GDS 064

GDS 040 - Game Design I

3.0 Units

This course presents techniques for the development of interactive game environments. Students will create multiple levels, integrate game mechanics, and apply visual design concepts in the development process. The course follows basic industry production structure to immerse students in the game design process and will introduce node based programming tool sets to be applied to level designs.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: GDS 039A

GDS 041 - Mobile Game Design and Development

3.0 Units

This class focuses on creating mobile games using third party developer tools. Students learn how to design, program, test, and publish their mobile game to various mobile platforms.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

GDS 043A - 3D Game Character Animation

3.0 Units

This is an introductory course in character animation using Maya to generate animation. Using pre-built 3D characters, students learn basic animation principles such as squash and stretch, and anticipation. Students learn the controls for 3D mesh characters, and generate walk cycles, run cycles, and action sequences. Students develop concepts for short movies for 3D characters in action sequences, and add lighting and textures to their scenes in making their animated movie shorts.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: ART 031A and GDS 039A

GDS 045 - Web Design and Development 1

3.0 Units

This introductory course focuses on the design and technical skills required to create effective web designs using HTML, CSS and a variety of software packages. The basic principles of type, color, and layout are explored, along with necessary basic coding skills. Emphasis is placed on using industry standard workflows and techniques to create compelling designs.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

GDS 046 - Web Design and Development 2

3.0 Units

This intermediate-level course is a continuation of the GDS 045 Web Design and Development 1 course. The focus is both on the creative design and the appropriate software and coding skills required in web design and front end web development. Advanced design principles of type, color, illustration, and layout are explored along with intermediate to advanced HTML, CSS, and an introduction to JavaScript and other relevant technologies. A basic understanding of computer system operation is required.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: GDS 045 or GDS 845

GDS 047 - Web Animation

3.0 Units

This introductory course focuses on the skills required to create effective web animations using a variety of software applications. Principles of animation, visual communication, user interface design and web optimization are explored. The student develops an understanding of the role of animation on the internet in a series of hands-on exercises. A basic understanding of computer systems is assumed.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: GDS 045 or GDS 845



GDS 049 - WordPress and Content Management Systems

3.0 Units

This advanced web design and development class, students use WordPress to build dynamic websites that can be updated easily. Students are also introduced to PHP & MySQL, theme customization, child themes, and an overview of popular CMS platforms.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: GDS 046 or GDS 846

GDS 051 - Mobile Application and Web Development with Web Standards

3.0 Units

This class focuses on using web technologies like HTML and CSS to create rich web applications as well as native mobile applications. Students learn to develop media using web standards. Current options for delivery methods on mobile devices are explored.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: (GDS 045 or GDS 845) and (GDS 046 or GDS 846)

GDS 055A - Design Agency and Branding

3.0 Units

This intermediate-level course is designed to increase the skills and abilities needed by students in the real-world environment of the design industry, with an emphasis on developing advertising campaigns and promoting brand awareness. The course includes project-based exploration of creative ideas in logo design, concept work, layout, advertising, and more. The students, with active faculty involvement and supervision, work on real-world projects responding to design needs of clients.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: GDS 035 and GDS 062

GDS 056 - Presentation Design

3.0 Units

This class focuses on the visual communication skills necessary to produce compelling presentations. Topics include color design, animation, interaction, storytelling, and advanced technical skills used in the production of assets for presentation. The class assumes an existing intermediate knowledge of Microsoft Powerpoint.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: CAP 046D

GDS 061 - Page Layout

3.0 Units

This introductory level course provides instruction in page layout and design as well as training in software such as Adobe InDesign. Students assemble a variety of pieces such as booklets, brochures, magazines, newspapers, newsletters, and other communication materials. Emphasis is on learning techniques used by graphics professionals to create full-color pieces integrating text, photos, and illustrations.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: GDS 035

GDS 062 - Digital Illustration with Adobe Illustrator

3.0 Units

This is a beginning digital illustration course for artists, illustrators and graphic designers. Students learn how to create original art, illustrations, and graphic designs using a variety of software applications. Basic art and design principles are explored. Students examine the history and application of illustration, in a variety of cultures and times, as a medium for social change, self-expression and marketing purposes.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

GDS 064 - Introduction to Adobe Photoshop

3.0 Units

This is a beginning digital imaging course for graphic designers, artists, and photographers. Students learn how to create original artwork, refine photographs and manipulate digital imagery using Adobe Photoshop. Basic art and design principles are explored. Students examine the history and application of graphic design, in a variety of cultures and times, as a medium for social change, self-expression and marketing purposes.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

GDS 065 - Typography

3.0 Units

This is a course for graphic designers on the study and demonstration of letterforms and typography. Practical design projects examine the interaction of form and message, with emphasis on fundamental theory, i.e., elements, principles, and attributes of typographical design. Students may create work for inclusion in a portfolio. This course requires both non-digital attention to hands-on craftsmanship and basic knowledge of Adobe Creative Cloud software.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: GDS 035 and GDS 061

GDS 066 - Advanced Adobe Illustrator

3.0 Units

This advanced level course uses Adobe Illustrator software. Designed for the student who wishes to continue with techniques and methods beyond the GDES 062 beginning course, students produce a variety of sophisticated digital illustrations. Emphasis is on technique as well as industry standard methodologies for creating illustrations with a distinctive style.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: GDS 062

GDS 067 - Graphic Design II

3.0 Units

Advisory: GDS 035 and GDS 061 and GDS 065 This mid-level design course will develop the students' confidence and competence in form and concept for visual communication. Projects emphasize the creation of professional level pieces using industry standard techniques and best practices. This course assumes competency in Adobe Photoshop, Illustrator, and InDesign.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: GDS 035 and GDS 061 and GDS 065

GDS 068 - Portfolio Production Studio

3.0 Units

In this course students create original portfolio content necessary for graduation and for procuring employment. Students develop and showcase their individual design/illustration approach, demonstrated via intermediate to advanced-level creative projects. Visual communication principles, processes and methodology are explored in lecture and in lab. Previous experience with Adobe Photoshop and Adobe Illustrator is advised.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: GDS 062 and GDS 064

GDS 069 - 3D for Designers and Illustrators

3.0 Units

This is a beginning 3D course for illustrators and designers. Students will learn the fundamentals of working within a 3D space including modeling, sculpting, rigging, texturing, lighting, and rendering. Special areas of focus include character design, packaging design, typographic illustration, and animation.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

GDS 070 - User Experience, Interface, and Multimedia Design

3.0 Units

In this course students are introduced to the fields of User Experience Design and Interface Design. Key topics covered in this course are interaction design, mobile and desktop interface design, information architecture, user research, as well as UX planning documents such as wireframes and personas. Students learn many of the principles, processes, and techniques used to develop effective user interfaces.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade Methods

Pass/No Pass

GDS 072 - Digital Imaging and User Interface Design

3.0 Units

In this course, students apply design principles to the creation of digital product designs using industry standard software. Students design interfaces and other assets used in User Interface Design and User Experience Design.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: GDS 070

GDS 073 - Digital Photography

3.0 Units

This introductory course focuses on photography as a creative medium. Emphasis is placed on aesthetics, composition, content and the technical and creative skills required to create effective digital images using digital cameras and a variety of software packages. Students also critically evaluate photographic images according to the principles of photographic theory. A basic understanding of computer system operation is required. Students must have access to a digital camera.



Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade Methods

GDS 074 - Digital Video Production 1**3.0 Units**

This introductory course focuses on video production and related hardware and software. The students develop an understanding of video production and post-production in a series of hands-on exercises. camera operation, video and audio production techniques, special effects, the basic principles of motion graphics, video editing and audio editing are explored. Access to a camera capable of recording video, and a basic understanding of computer system operation are required.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

GDS 076 - Emerging Trends in Interaction Design**3.0 Units**

In this course, students will apply interaction design principles to the design and prototyping of emerging technologies in mobile, wearable, voice activated and smart appliances. Students will explore trends and best practice for interaction and interface design for emerging technology.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: GDS 070

GDS 077 - Interactive Projects & Explorations in UXD**3.0 Units**

In this capstone course, students will utilize UXD (User Experience Design) and Interaction design principles to rapidly design and prototype projects to include in a UX Design portfolio. Students will design and develop hi-fidelity mobile, wearable, voice activated and smart appliances in project-based setting.

**Transferability and General Education**

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: GDS 070 and GDS 072

GDS 080 - Packaging Design**3.0 Units**

This course introduces the student to the skills required to create effective packaging designs, finished comps, and delivering professional oral presentations. The role of typography, color and the use of materials such as paper, plastics, and other materials are examined and design solutions created using both traditional and computer generated techniques. Comping skills are sharpened by these experiences. The variety of packaging styles available and the environmental implications of packaging are discussed.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: GDS 035

GDS 081 - Motion Graphics**3.0 Units**

This course focuses on the preparation and production of motion graphics/visual effects for video, film and the internet. The student develops an understanding of the principles of type in motion, keyframe animation, masking/keying, tracking, color correction and compositing. The focus is on creative visual communication. The student develops skill in the use of After Effects, as well as other appropriate software. Access to a camera capable of recording video, and a basic understanding of Adobe Photoshop and computer system operation are recommended.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: GDS 064 and GDS 074

GDS 082 - Game Design and Architecture**3.0 Units**

This introductory course focuses on the planning and methodology of game design. Students develop an understanding of the conceptual game development process and game architecture. Students also examine and evaluate a number of case studies. A basic understanding of computer system operation is required.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

GDS 084 - Portfolio Production Studio

3.0 Units

In this course, students create original portfolio content necessary for graduation and for procuring employment. Students complete intermediate to advanced-level capstone projects, i.e. case studies, showcasing their individual creative approach and technical abilities. Originality, communication, and presentation are subjects of emphasis. As a group, students assist one another with extensive constructive criticism via regular lab critiques.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: (GDS 062 and GDS 064) or (GDS 862 and GDS 864)

GDS 085 - Professional Portfolio and Design Career Preparation

3.0 Units

This capstone course focuses on assembling a professional portfolio, as well as preparing for work as a freelance designer. The course includes portfolio development using projects created in prior art and design classes, self-promotional and interviewing techniques, and the process of working as an independent contractor. The students also interact with professionals in the field of design across multiple disciplines.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: ENG 001A and GDS 035 and GDS 055A

GDS 086 - Visual Effects I

3.0 Units

This hands-on course introduces students to visual effects in film and digital media production. Creative projects explore visual effects techniques including keyframing, compositing, and shooting for visual effects.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

GDS 087 - Virtual Production I

3.0 Units

This course introduces many aspects of 3D Virtual Film and TV Production: Motion Capture, Cinematography, Lighting, Props, Art Direction, Technical and Visual aspects of 3D Virtual Production, including pre-production, storyboards, blocking, lighting, sets and props; technical skills, including Realtime 3D engines, workflows, camera functions and movement, industry terminology, duties; and responsibilities of the camera, lighting and art teams.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

GDS 089 - JavaScript 1

3.0 Units

This is an introductory course on using JavaScript to develop applications for the web. Students learn to develop interactive web pages using JavaScript. This course covers JavaScript basics, arrays, objects, an introduction to DOM scripting and debugging. Intermediate topics include advanced objects, Web forms, events, DOM Scripting dynamic content, cookies and Web storage, and an introduction to advanced topics such as AJAX and JavaScript libraries.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: GDS 045

GDS 089B - JavaScript II and Web Development

3.0 Units

This course provides an intermediate to advanced level content continuation of the GDS 089 JavaScript 1 course. The course also provides instruction on other aspects of web development, such as server interactions and version control. Topics include: Review of JavaScript basics, DOM scripting, front-end frameworks, asynchronous programming, JavaScript on the back end, APIs and Web Services. Technologies may include: JSON, React, XML, REST, jQuery, Angular, Node.js, package managers and AJAX.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: GDS 089

GDS 166 - Advanced Illustration and Digital Imaging

3.0 Units

This course covers advanced illustration and digital imaging. It is designed for students with previous experience using vector, raster and 3D software applications. In this class, students continue their exploration of the creative process, including the formal principles of art and design. A primary objective is for each student to create a series of original work which showcases their technical abilities and their individual style. A variety of software applications will be explored.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: (GDS 062 or GDS 862) and (GDS 064 or GDS 864)

GDS 810 - Artificial Intelligence and Creativity

0.0 Units

This introductory course provides an overview of the history, ethics and creative application of generative artificial intelligence (also referred to as AI or GenAI). Students will gain hands-on experience with a variety of creative AI applications (e.g. text, image and audio generation) as they learn how to solve creative problems, combining their own creative abilities with the power of modern AI tools. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

GDS 845 - Web Design and Development 1

0.0 Units

This introductory course focuses on the design and technical skills required to create effective web designs using HTML, CSS and a variety of software packages. The basic principles of type, color, and layout are explored, along with necessary basic coding skills. Emphasis is placed on using industry standard workflows and techniques to create compelling designs. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

GDS 846 - Web Design and Development 2

0.0 Units

This intermediate-level course is a continuation of the GDS 845 Web Design and Development 1 course. The focus is both on creative design and the appropriate software and coding skills required in web design and front-end web development. Advanced design principles of type, color, illustration, and layout are explored along with intermediate to advanced HTML, CSS, and an introduction to JavaScript and other relevant technologies. A basic understanding of computer system operation is required. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: GDS 045 or GDS 845

GDS 862 - Digital Illustration with Adobe Illustrator

0.0 Units

This is a beginning digital illustration course for artists, illustrators and graphic designers. Students learn how to create original art, illustrations, and graphic designs using a variety of software applications. Basic art and design principles are explored. Students examine the history and application of illustration, in a variety of cultures and times, as a medium for social change, self-expression and marketing purposes. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

GDS 864 - Introduction to Adobe Photoshop

0.0 Units

This is a beginning digital imaging course for graphic designers, artists, and photographers. Students learn how to create original artwork, refine photographs and manipulate digital imagery using Adobe Photoshop. Basic art and design principles are explored. Students examine the history and application of graphic design, in a variety of cultures and times, as a medium for social change, self-expression and marketing purposes. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

GDS 866 - Advanced Illustration and Digital Imaging

0.0 Units

This course covers advanced illustration and digital imaging. It is designed for students with previous experience using vector, raster and 3D software applications. In this class, students continue their exploration of the creative process, including the formal principles of art and design. A primary objective is for each student to create a series of original work which showcases their technical abilities and their individual style. A variety of software applications will be explored. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: (GDS 062 or GDS 862) and (GDS 064 or GDS 864)

GDS 869 - 3D for Designers and Illustrators

0.0 Units

This is a beginning 3D course for illustrators and designers. Students will learn the fundamentals of working within a 3D space including modeling, sculpting, rigging, texturing, lighting, and rendering. Special areas of focus include character design, packaging design, typographic illustration, and animation. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

GDS 870 - User Experience, Interface, and Multimedia Design

0.0 Units

In this course students are introduced to the fields of User Experience Design and Interface Design. Key topics covered in this course are interaction design, mobile and desktop interface design, information architecture, user research, as well as UX planning documents such as wireframes and personas. Students learn many of the principles, processes, and techniques used to develop effective user interfaces. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

GDS 872 - Digital Imaging and User Interface Design

0.0 Units

In this course, students apply design principles to the creation of digital product designs using industry standard software. Students design interfaces and other assets used in User Interface Design and User Experience Design. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: GDS 070 or GDS 870

GDS 873 - Digital Photography

0.0 Units

This introductory course focuses on photography as a creative medium. Emphasis is placed on aesthetics, composition, content and the technical and creative skills required to create effective digital images using digital cameras and a variety of software packages. Students also critically evaluate photographic images according to the principles of photographic theory. A basic understanding of computer system operation is required. Students must have access to a digital camera. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

GDS 874 - Digital Video Production I

0.0 Units

This introductory course focuses on video production and related hardware and software. The students develop an understanding of video production and post-production in a series of hands-on exercises. camera operation, video and audio production techniques, special effects, the basic principles of motion graphics, video editing and audio editing are explored. Access to a camera capable of recording video, and a basic understanding of computer system operation are required. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

GDS 881 - Motion Graphics

0.0 Units

This course focuses on the preparation and production of motion graphics/visual effects for video, film and the internet. The student develops an understanding of the principles of type in motion, keyframe animation, masking/keying, tracking, color correction and compositing. The focus is on creative visual communication. The student develops skill in the use of After Effects, as well as other appropriate software. Access to a camera capable of recording video, and a basic understanding of Adobe Photoshop and computer system operation are recommended. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: (GDS 064 or GDS 864) and (GDS 074 or GDS 874)

GDS 884 - Portfolio Production Studio

0.0 Units

In this course, students create original portfolio content necessary for graduation and for procuring employment. Students complete intermediate to advanced-level capstone projects, i.e. case studies, showcasing their individual creative approach and technical abilities. Originality, communication, and presentation are subjects of emphasis. As a group, students assist one another with extensive constructive criticism via regular lab critiques. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: (GDS 862 and GDS 864) or (GDS 062 and GDS 064)

Geography (GEO)

GEO 001 - INTRODUCTION TO PHYSICAL GEOGRAPHY

3.0 Units

This course is a survey of the physical earth and its impact upon human utilization of the environment. The earth is depicted as the home of people: the inter-relationship of weather and climate, soil and vegetation patterns, landforms, minerals and ocean basins are stressed as they relate to human activities. The various types of maps, their development through geospatial technology, and their practical application are also considered.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

• Area B1 - Physical Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

Area 5A - Physical Science

AA/AS General Education Requirements

• A-5 - Natural Sciences

Grade Options

Pass/No Pass

Letter Grade methods

GEO 001L - Introduction to Physical Geography Laboratory

1.0 Units

This course is design to provide supplemental exercises in topics covered in Physical Geography lecture. Lab experience will include map analysis and interpretation, weather prognostication, landform processes and evolution, tectonics, biogeography, and habitat analysis.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

• Area B1 - Physical Sciences

Area B3 - Laboratory Requirement

AA/AS General Education Requirements

• A-5 - Natural Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

History (HIS)

HIS 004A - History of Western Civilization

3.0 Units

This course is a survey of Western Civilization from prehistoric times to 1600. Emphasis is on the major political, economic, social, cultural and intellectual movements that have molded Western society.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
 - Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
 - Area D - Social Sciences

C-ID Number and Title

- HIST 170 Western Civilization I
- AA/AS General Education Requirements
- A-3 - Arts & Humanities
 - A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

HIS 004AH - History of Western Civilization - Honors

3.0 Units

This honors course is a survey of Western Civilization from prehistoric times to 1600. Emphasis is on the major political, economic, social, cultural and intellectual movements that have molded Western society. Students cannot get credit for both HIST 004A and HIST 004AH. Enrollment in the Honors Transfer Project is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
 - Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
 - Area D - Social Sciences

C-ID Number and Title

- HIST 170 Western Civilization I
- AA/AS General Education Requirements
- A-3 - Arts & Humanities
 - A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

HIS 004B - History of Western Civilization

3.0 Units

This course is a survey of Western Civilization from 1600 to the present. Emphasis is on major political, economic, social, and intellectual movements that have shaped Western society.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
- Area D - Social Sciences

C-ID Number and Title

- HIST 180 Western Civilization II
- AA/AS General Education Requirements
- A-3 - Arts & Humanities
 - A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

HIS 004BH - History of Western Civilization - Honors

3.0 Units

This honors course is a survey of Western Civilization from 1600 to the present. Emphasis is on the major political, economic, social, and intellectual movements that have molded the Western society. Students cannot get credit for both HIS 004B and HIS 004BH. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
 - Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
 - Area D - Social Sciences

C-ID Number and Title

- HIST 180 Western Civilization II
- AA/AS General Education Requirements
- A-3 - Arts & Humanities
 - A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

HIS 015 - World History to 1500

3.0 Units

This course is a survey of World Civilization from prehistoric times to 1500. Emphasis is on the major political, economic, social, cultural and intellectual movements that have molded world societies.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
 - Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
 - Area D - Social Sciences

C-ID Number and Title

- HIST 150 World History to 1500
- AA/AS General Education Requirements
- A-3 - Arts & Humanities
 - A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

HIS 015H - World History to 1500 - Honors

3.0 Units

This honors course is a survey of World Civilization from prehistoric times to 1500. Emphasis is on the major political, economic, social, cultural and intellectual movements that have molded world societies. Students cannot get credit for both HIS 015 and HIS 015H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
- Area D - Social Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- Area 4 - Social and Behavioral Sciences

C-ID Number and Title

- HIST 150 World History to 1500

AA/AS General Education Requirements

- A-3 - Arts & Humanities
- A-4 - Social & Behavioral Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

HIS 016H - World History since 1500 - Honors

3.0 Units

This honors course is a survey of world civilizations from 1500 to the present. Emphasis is on the major political, economic, social, and intellectual movements that have molded world civilizations. Students cannot get credit for both HIS 016 and HIS 016H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
- Area D - Social Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- Area 4 - Social and Behavioral Sciences

C-ID Number and Title

- HIST 160 World History since 1500

AA/AS General Education Requirements

- A-3 - Arts & Humanities
- A-4 - Social & Behavioral Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

HIS 016 - World History since 1500

3.0 Units

This course is a survey of world civilizations from 1500 to the present. Emphasis is on the major political, economic, social, and intellectual movements that have molded world civilizations.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
- Area D - Social Sciences

C-ID Number and Title

- HIST 160 World History since 1500

AA/AS General Education Requirements

- A-3 - Arts & Humanities
- A-4 - Social & Behavioral Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

HIS 017A - History of the United States to 1877

3.0 Units

History 017A is a survey of the political, economic, social, and cultural development of the United States from native American settlement in America through Reconstruction. Topics covered include the interaction between the indigenous peoples and European settlers in the development of the colonies, origins and consequences of the American Revolution, the development of democracy and constitutional government in America, westward expansion, the early factory system, isolationism and American foreign policy, slavery and its impact on race relations, antebellum reforms, abolitionism and sectional conflict, causes and consequences of the Civil War and Reconstruction.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
- Area D - Social Sciences

C-ID Number and Title

- HIST 130 United States History to 1877

AA/AS General Education Requirements

- A-3 - Arts & Humanities
- A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods



HIS 017AH - History of the United States to 1877 - Honors

3.0 Units

History 017A is a survey of the political, economic, social, and cultural development of the United States from native American settlement in America through Reconstruction. Topics covered include the interaction between the indigenous peoples and European settlers in the development of the colonies, origins and consequences of the American Revolution, the development of democracy and constitutional government in America,

westward expansion, the early factory system, isolationism and American foreign policy, slavery and its impact on race relations, antebellum reforms, abolitionism and sectional conflict, causes and consequences of the Civil War and Reconstruction.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
 - Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
 - Area D - Social Sciences
- C-ID Number and Title
- HIST 130 United States History to 1877
- AA/AS General Education Requirements
- A-3 - Arts & Humanities
 - A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

HIS 017B - History of the United States Since 1877

3.0 Units

This course is a survey of the political, economic, social and cultural history of the United States from 1877 to the present. Topics covered include industrialization and urbanization, the rise of big business, completion of westward expansion, Native American cultures, the Progressive Era, World War I, the 1920s and Franklin Roosevelt's New Deal, World War II, the Cold War, the Vietnam War, the Civil Rights and other social, ethnic, and gender movements of the post-World War II era, and post-Cold War American domestic and foreign policy. (History 017A is not a prerequisite to History 017B.)

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
 - Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
 - Area D - Social Sciences
- C-ID Number and Title
- HIST 140 United States History from 1865
- AA/AS General Education Requirements
- A-3 - Arts & Humanities
 - A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

HIS 017BH - History of the United States since 1877 - Honors

3.0 Units

This course is a survey of the political, economic, social and cultural history of the United States from 1877 to the present. Topics covered include industrialization and urbanization, the rise of big business, completion of westward expansion, Native American cultures, the Progressive Era, World War I, the 1920s and Franklin Roosevelt's New Deal, World War II, the Cold War, the Vietnam War, the Civil Rights and other social, ethnic, and gender movements of the post-World War II era, and post-Cold War American domestic and foreign policy. (History 017A is not a prerequisite to History 017B.)

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
 - Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
 - Area D - Social Sciences
- AA/AS General Education Requirements
- A-3 - Arts & Humanities
 - A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

HIS 020 - History and Geography of California

3.0 Units

This course examines California geographic regions, the Native Americans of California, institutions of Spanish California, developments in the Mexican period, the early American period, economic foundations of the state, political growth and institutions of American California, race and California history in the 20th Century, and state and local government.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences
- AA/AS General Education Requirements
- A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

HIS 031 - History of East Asia

3.0 Units

This course is a survey of the history of China, Japan, Korea, Vietnam and related countries and regions in East Asia with emphasis on the political, social, and economic development of these countries and their interaction with the West. Students will explore the origins of the cultural traditions, major religions in the area, the unifying forces of Chinese culture, and Western intrusion into the region.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences
- AA/AS General Education Requirements
- A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

HIS 033 - Women's Issues Past and Present

3.0 Units

This course examines the social, economic, cultural and political history of women in the U.S., from colonial times to the modern era. An emphasis is placed on movements which enhanced women's political and economic rights, the social roles which defined women primarily by their gender, and the legal realities that women faced. Significant moral, political, and economic issues are assessed.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
- Area D - Social Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences
- A-3 - Arts & Humanities

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- Area 4 - Social and Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

HIS 033H - Women's Issues Past and Present

3.0 Units

This honors course examines the social, economic, cultural and political history of women in the U.S. from colonial times to the modern era. An emphasis is placed on movements which enhanced women's political and economic rights, the social roles which defined women primarily by their gender and the legal realities that women faced. Significant moral, political and economic issues are assessed. Students cannot get credit for both HIST 033 and HIST 033H. Enrollment in the Honors Transfer Project is required.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
- Area D - Social Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences
- A-3 - Arts & Humanities

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- Area 4 - Social and Behavioral Sciences

Grade Options

Pass/No Pass

Letter Grade Methods

HIS 044 - African American History

3.0 Units

This course surveys the political, economic, and social developments of African Americans from the 1619 to the present. Topics include Africans before European contact and slavery in the US, abolitionism, the Civil War, Reconstruction, the rise and resistance to Jim Crow, WWI, WWII, the Civil Rights movement, and the present state of African Americans. The course is cross listed as ETH044.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences
- Area F - Ethnic Studies Requirement

CSU United States History, Constitution and American Ideals

- US-1: Historical development of American institutions and ideals
- Area 4 - Social and Behavioral Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 7 - Ethnic Studies
- AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences
- A-6 - Ethnic Studies

Grade Options

Pass/No Pass

Letter Grade Methods

HIS 044H - African American History - Honors

3.0 Units

This course surveys the political, economic, and social developments of African Americans from the 1619 to the present. Topics include Africans before European contact and slavery in the US, abolitionism, the Civil War, Reconstruction, the rise and resistance to Jim Crow, WWI, WWII, the Civil Rights movement, and the present state of African Americans. This course is cross-listed with ETH 044H. Students cannot get credit for both HIS 044 and HIS 044H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences
- Area F - Ethnic Studies Requirement

CSU United States History, Constitution and American Ideals

- US-1: Historical development of American institutions and ideals
- Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- Area 7 - Ethnic Studies

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences
- A-6 - Ethnic Studies

Grade Options

Pass/No Pass

Letter Grade Methods

Hotel And Motel Management (HMT)

HMT075 - Housekeeping in Hotels, Motels, and Institutions

3.0 Units

This course is an introduction to the principles of effective housekeeping management in hotels, motels, and institutions, such as hospitals and nursing homes. Topics include the role of housekeeping, planning and organizing the department, environmental and energy management, sustainability and green lodging facilities, interactions between housekeeping and other departments. Students examine safety and security, the cleaning function, budgeting labor, equipment and supplies, managing inventories, and effective diversity management.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass



HMT 076 - Hotel and Motel Front Office Management

3.0 Units

This course is an introduction to the principles of effective front office management. Topics include hotel organization, forecasting, revenue management, budgeting, front office interaction with sales, housekeeping, and human resources. Students examine the guest services role, reservations, registration, account settlement, the audit process, and evaluate a hotel operation.

Transferability and General Education

Transferable to CSU only

C-ID Course and Title

HOSP 140 Introduction to Hotel Management

Grade Options

Letter Grade Methods

Pass/No Pass

Health Occupation (HOC)

HOC 001 - Medical Terminology

3.0 Units

This course provides techniques for medical word building and interpretation using basic word elements (root words, prefixes and suffixes) of Greek and Latin origin. Students learn anatomical, physiological, and pathological medical terminology, as well as therapeutic and diagnostic words, with an overview of each body system. Students demonstrate their ability to define, pronounce, and understand the meaning of medical terms through assignments such as analyzing medical records and creating a PowerPoint presentation.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

HOC 001A - Health Occupations Bootcamp

2.0 Units

This course is designed to prepare the potential Health Occupations student for entry into and successful completion of a Health Occupations program. The course content focuses on competencies expected upon entry, study skills, test-taking strategies, stress management, mathematics for dosage calculation, critical thinking, critical reasoning, and introduction to the nursing process.

Grade Options

Letter Grade Methods

Pass/No Pass

HOC 002 - Cardiopulmonary Resuscitation (CPR) / Basic Life Support (BLS) for Healthcare Professionals

0.5 Units

The course is designed to prepare the student to provide rescue breathing and closed chest compression (Basic Life Support) as well as use of AED to a victim of sudden death. This course is taught according to guidelines of the American Heart Association. AHA CPR/AED course completion cards are issued to students who successfully meet course objectives. The student is required to read the textbook "BLS for Healthcare Providers" prior to attending class.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade Methods

HOC 003 - Emergency / Disaster Preparedness for Allied Health Professionals

0.5 Units

The course is designed to assist allied health workers in assessing and developing plans for emergency and disaster situations in the home, community agency or clinical setting. Note: The student must purchase and read the textbook prior to the start of the class.

Grade Options

Letter Grade Methods

Pass/No Pass

HOC 004 - First Aid CPR AED

0.5 Units

The American Heart Association (AHA) Heartsaver First Aid CPR AED course trains participants to provide first aid, CPR, and use an automated external defibrillator (AED) to prepare individuals to respond to common life-threatening emergencies and to injuries and sudden illness that may arise in the workplace and in the community. This course covers CPR for adults, children and infants and the use of AEDs (automated external defibrillators), and has scenarios to facilitate discussion of appropriate care in first aid emergencies. Successful participants receive an American Heart Association eCard (course completion card).

Grade Options

Pass/No Pass

Letter Grade Methods

HOC 005 - Introduction to Community Health Worker

3.0 Units

Learn the various roles, skills, and functions of Community Health Workers. This course introduces important core competencies for providing direct services, including access to health care, cultural humility, the scope of practice, ethics, client-centered coaching, care management, and patient advocacy.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Pass/No Pass

HOC 006 - Personal Health and Life Style

3.0 Units

This course is designed to provide the student with learning experiences that will lead to a better understanding of the concept of a healthy lifestyle. The emphasis is on changing unhealthy behaviors to healthy ones. Major topics covered in the class are: understanding behavior and change, relationships, cardiovascular health, fitness, nutrition, weight control, stress management, drug and alcohol abuse, reproductive issues, global health, the impact of the social determinants of health, and the use of the health care system.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

• Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

• A-7 - Lifelong Learning

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Advisory: CAP 033A

HOC 008 - Community Health Problems

3.0 Units

This is an introductory community health course with a focus on community health problems and issues facing consumers today. Included are identified community health problems and agencies related to the elderly, maternal and child health, communicable disease, substance abuse, occupational safety, health and the environment. This course is required for students who are pre-health professionals, in the community health worker program, and persons working in residential care agencies.

Transferability and General Education

Transferable to CSU

AA/AS General Education Requirements

• A-7 - Lifelong LearningU

Grade Options

Letter Grade Methods

HOC 010 - Health Communication: Health Literacy, Health Coaching, and Motivational Interviewing

3.0 Units

Students will learn methods of communication in healthcare: health literacy, health coaching, group dynamics, and motivational interviewing. In addition, students will demonstrate an understanding of how one's culture affects health behavior and will develop a client-informed plan.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

HOC 012 - Community Health Worker Internship

3.0 Units

This internship course provides students with an opportunity to learn in a work setting while obtaining practical experience in community health work. Students will contract for 108 hours at an internship placement and also participate in a weekly seminar to discuss their fieldwork and apply academic theory to practice.

Grade Options

Letter Grade Methods

Pass/No Pass

Course Advisory and Requisites

Prerequisite: HOC 005

HOC 019A - Nursing Assistant Fundamentals

4.0 Units

This beginning course in nursing fundamentals gives the student a foundation in the basic scientific principles required to provide

health care in a skilled nursing facility. Students who successfully complete this course, along with HOC 019AL and HOC 019B, are eligible to apply for the California Certified Nurse Assistant (CNA) examination.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Corequisite: HOC 019B and HOC 019AL

Advisory: HOC 004

HOC 019AL - Nursing Assistant Fundamentals Laboratory

0.5 Units

This laboratory course provides hands-on skills training to support HOC 019H, Nursing Assistant Fundamentals and gives the student a foundation in the basic skills required to provide health care in a skilled nursing facility. Students who successfully complete this course, along with HOC 019H and HOC 019B, are eligible to apply for the California Certified Nurse Assistant (CNA) examination.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Course Advisory and Requisites

Corequisite: HOC 019A and HOC 019B

HOC 019B - Nursing Assistant Clinical Experience

2.0 Units

This clinical practicum provides the student with experience in the application of basic patient care skills in a skilled nursing facility. Students who successfully complete this course, along with HOC 019H and HOC 019HL, are eligible to apply to take the National Nurses Aide Assessment Program (NNAAP) examination.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Course Advisory and Requisites

Corequisite: HOC 019A and HOC 019AL



HOC 019F - Home Health Aide Fundamentals

1.5 Units

This course introduces the Certified Nurse Assistant (CNA) to the basic concepts of home care nursing. Students learn entry-level skills for employment as a home health aide. Successful completion of this course along with HOC 019G provides eligibility for a California Home Health Aide (HHA) certificate.

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Corequisite: HOC 019G

HOC 019G - Home Health Aide Clinical

0.5 Units

This clinical practicum provides the student with experience in basic nursing skills in a skilled nursing facility/home setting. Students who successfully complete this course along with HOC 019F are eligible to apply for the California Home Health Aide Certificate.

Grade Options

Pass/No Pass

Course Advisory and Requisites

Corequisite: HOC 019F

HOC 020 - Introduction to Professional Health Care

0.5 Units

This course helps acquaint incoming vocational nursing students with Mission College, available student services, and the Health Occupations career tracks. It covers college orientation and information regarding Health Occupations policies and procedures, study skills, assignments, time management, and career opportunities.

Grade Options

Pass/No Pass

Course Advisory and Requisites

Advisory: (HOC 001 and HOC 001A and HOC 905) or (HOC 001 and HOC 001A and Elementary Algebra Skill).

HOC 022 - Patient Nursing Care Fundamentals

1.5 Units

This is a foundation course in which beginning Health Occupations students gain knowledge of fundamental principles and techniques necessary to provide basic nursing care to patients. Ethical and legal responsibilities of the vocational nurse are explored. Students utilize the nursing process and therapeutic communication while gaining competence in performing basic nursing procedures and skills, including administration of medications and enemas; performing physical assessments of body systems; collecting and ensuring integrity of diagnostic specimens; insertion of nasogastric tube; enteral feedings; airway suctioning; tracheostomy care; wound assessment and care, including application of dressings; as well as documentation of assessment findings, care provided and patient's responses.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite or Corequisite: HOC 028 and (PSY 001 or PSY 001H)
Corequisite: HOC 023A and HOC 023B and HOC 024 and HOC 025A and HOC 026A and HOC 027

HOC 023A - Beg. Medical-Surgical Nursing Theory

2.5 Units

This course focuses on beginning level nursing care and interventions for patients with diseases or disorders of particular bodysystems. The nursing process is used as a critical thinking tool in understanding diagnostics, assessing manifestations experienced by the patient, identifying and implementing evidence-based nursing interventions, and evaluating outcomes. Students identify the role of vocational nurses in collaborating with other health team members and planning therapeutic management of patients with conditions affecting the musculoskeletal, neurological, neurosensory and reproductive systems. Includes six hours of related pharmacology content.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite or Corequisite: HOC 028 and (PSY 001 or PSY 001H)
Corequisite: HOC 022 and HOC 023B and HOC 024 and HOC 025A and HOC 026A and HOC 027

HOC 023B - Beg. Cognitive Disabilities - Mental Health Theory

1.0 Units

This beginning course is designed to present theoretical concepts of mental health disorders, legal and ethical principles, and approaches to assist the vocational nursing students to identify and understand therapeutic communication skills, psycho-pharmacological concepts and assessment skills in caring for persons with psychiatric disorders. Among these skills are objective and subjective observations and data collection through assessment of strengths and abnormalities in function and behavior across the lifespan. Includes two hours of related pharmacology content.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite or Co-requisite: HOC 028 and (PSY 001 or PSY 001H)
Co-requisite: HOC 022 and HOC 023A and HOC 024 and HOC 025A and HOC 026A and HOC 027

HOC 024 - Pharmacology A

1.0 Units

This beginning course in pharmacology presents the vocational nursing student with the basic principles of pharmacology. The emphasis is on defining pharmacological agents, the use of reference books, and the nursing implications in pharmacological therapy. The course covers the uses of pharmacological agents, precautions for use, side effects, medication interactions, contraindications, and patient teaching for safe and proper pharmacological agent use for patients with disorders of the musculoskeletal, neurological, neurosensory, and reproductive systems.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite or Co-requisite: HOC 028 and (PSY 001 or PSY 001H)
Co-requisite: HOC 022 and HOC 023A and HOC 023B and HOC 025A and HOC 026A and HOC 027

HOC 025A - Fundamentals Skills/Simulation Lab

1.0 Units

This course allows the beginning vocational nursing student the opportunity to integrate the concepts of the nursing process, clinical reasoning, nursing theory, and nursing skills in a laboratory setting which simulates the clinical experience. Focus is placed on developing competence in performing basic nursing procedures and skills through practice on manikins, return demonstration of skills and participation in simulated clinical scenarios aimed to meet the needs of the medical-surgical and geriatric patients with musculoskeletal, neurological, neurosensory, reproductive, and mental health disorders in inpatient and outpatient settings.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Course Advisory and Requisites

Prerequisite or Corequisite: HOC 028 and (PSY 001 or PSY 001H)
Corequisite: HOC 022 and HOC 023A and HOC 023B and HOC 024 and HOC 026A and HOC 027

HOC 026A - Beg. Clinical Practicum

5.0 Units

This foundation course provides the Vocational Nursing student clinical experiences during which they integrate standards of professional practice, theoretic principles of nursing, therapeutic communication, nursing process and basic nursing skills during supervised care to patients with acute or chronic medical-surgical concerns and mental illnesses.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Course Advisory and Requisites

Prerequisite or Corequisite: HOC 028 and (PSY 001 or PSY 001H)
Corequisite: HOC 022 and HOC 023A and HOC 023B and HOC 024 and HOC 025A and HOC 027

HOC 027 - Nursing Process and Communication

2.0 Units

This course is designed to provide the beginning health care practitioner with an introduction to the framework of nursing process and basic communication concepts. Both are essential to development of problem-solving and critical thinking abilities as well as the formation of trusting interpersonal relationships necessary to meet individualized needs of the client, family, and community. Vocational nursing students participate in activities designed to integrate therapeutic communication through each step of the nursing process that facilitates active engagement of the patient and family in health care management while supporting effective, collaborative teamwork among interdisciplinary healthcare members.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite or Corequisite: HOC 028 and (PSY 001 or PSY 001H)
Corequisite: HOC 022 and HOC 023A and HOC 023B and HOC 024 and HOC 025A and HOC 026A

HOC 028 - Care of the Geriatric Patient

1.0 Units

This course is designed to give the vocational nursing student an introduction to the care of the elderly client in both an institutional and a community setting. The focus is on viewing the last developmental stage of the adult as a normal progression of life, including the basic hierarchy of human needs. This stage is explored to prepare the vocational nurse for the adaptations associated with the aging process. This course is a required course that must be completed prior to students beginning the Health Occupations VN career track second semester. Non-Health Occupations students may enroll in this course as well.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

HOC 032 - Care of Obstetrical and Neonatal Patients

2.0 Units

This course is designed to educate the vocational nursing student about their role in providing care as a member of the healthcare team in meeting the needs of patients during pregnancy, in labor and delivery, and during the postpartum periods. This course focuses on the beginning level concepts of the nursing process as it relates to the child-bearing family, including the care of neonates. This course includes a review of the obstetrical care concepts that respects the individual's cultural and ethnic child-bearing beliefs that have an impact on the mother and family. The course includes 3.5 hours of relevant pharmacology content.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Students must successfully complete all courses for the previous semester of the nursing program during a single semester.

HOC 033A - Int. Medical/Surgical Nursing Theory

2.0 Units

This course focuses on nursing care and interventions for patients with diseases or disorders of particular body systems. The nursing process is used as a critical thinking tool in understanding diagnostics, assessing manifestations experienced by the patient, identifying and implementing evidence-based nursing interventions, and evaluating outcomes. Students identify the role of vocational nurses in collaborating with other health team members and planning therapeutic management of patients with conditions affecting the respiratory, cardiac, vascular, and urinary systems. Includes six hours of related pharmacology content.



Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Students must successfully complete all courses for the previous semester of the nursing program during a single semester.

HOC 033B - Int. Project-Based Medical/Surgical Reasoning

1.5 Units

This course is designed to provide vocational nursing students opportunities to develop problem-solving and critical reasoning while practicing their professional roles as members of the health care team caring for patients with cardiac, vascular, respiratory, and urinary disorders. This is achieved through a variety of group activities and projects such as reviewing, analyzing, and formulating plans of care, concept mapping, case studies, research of evidence-based best practices, professional journal article critique, and patient teaching plans. The course includes 2.5 hours of relevant pharmacology content.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Students must successfully complete all courses for the previous semester of the nursing program during a single semester.

HOC 034 - Pharmacology B

1.0 Units

This is an intermediate continuation course in pharmacology that presents the basic principles of pharmacology to the vocational nursing student. The emphasis is on defining pharmacological agents and analyzing the nursing implications in pharmacological therapy. The course covers the uses of pharmacological agents, precautions for use, side effects, medication interactions, contraindications, and patient teaching for safe and proper pharmacological agents use for patients with disorders of the cardiac, vascular, respiratory and urinary systems.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Students must successfully complete all courses for the previous semester of the nursing program during a single semester.

HOC 035A - Int. Nursing Skills/Simulation Lab

1.0 Units

This course allows the intermediate vocational nursing student the opportunity to integrate the concepts of the nursing process, clinical reasoning, nursing theory, and nursing skills in a laboratory setting which simulates the clinical experience. Focus is placed on developing competence in performing basic nursing procedures and skills through practice on manikins, return demonstration of skills, and participation in simulated clinical scenarios aimed to meet the needs of the medical-surgical and geriatric patients with respiratory, cardiac, vascular, and urinary disorders, and obstetrical and neonatal patients in inpatient and outpatient settings.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Course Advisory and Requisites

Prerequisite: Students must successfully complete all courses for the previous semester of the nursing program during a single semester.

HOC 036A - Int. Clinical Practicum

5.0 Units

This is an intermediate level experiential course which provides the vocational nursing student with clinical experiences during which they integrate standards of professional practice, theoretical principles of nursing, therapeutic communication, nursing process and basic nursing skills during supervised care to adult and neonatal clients with acute or chronic medical-surgical/obstetrical concerns. Students spend approximately fifteen hours each week in inpatient and/or community health facilities.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Course Advisory and Requisites

Prerequisite: Students must successfully complete all courses for the previous semester of the nursing program during a single semester.

HOC 042 - Care of the Pediatric Patient

2.0 Units

This course is designed to give the vocational nursing student a working knowledge of the principles and skills necessary in the care of pediatric clients. The course focuses on beginning level concepts of the nursing process as it relates to the child and family, and includes client/family education, discharge planning, home care, and adaptations of nursing care to both hospital and home, including 3.5 hours of relevant pharmacology content.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Students must successfully complete all courses for the previous semester of the nursing program during a single semester

HOC 043A - Advanced Medical/Surgical Theory

2.0 Units

This course focuses on advanced level nursing care and interventions for clients with diseases or disorders of particular body systems. The nursing process is used as a critical thinking tool in understanding diagnostics, assessing manifestations experienced by the patient, identifying and implementing evidence-based nursing interventions, and evaluating outcomes. Students identify the role of vocational nurses in collaborating with other health team members and planning therapeutic management of patients with conditions affecting the gastrointestinal, integumentary, endocrine, and hematological systems. Includes six hours of related pharmacology content.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Students must successfully complete all courses for the previous semester of the nursing program during a single semester.

HOC 043B - Advanced Project-Based Medical Surgical Reasoning

1.5 Units

This course is designed to provide vocational nursing students opportunities to develop problem-solving and critical reasoning skills while practicing their professional roles as members of the health care team caring for patients with gastrointestinal, integumentary, endocrine, and hematological disorders. This is achieved through a variety of group activities and projects such as care planning, concept mapping, case studies, research of evidence-based best practices, professional journal article critique, and patient teaching plans. The course includes 2.5 hours of relevant pharmacology content.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Students must successfully complete all courses for the previous semester of the nursing program during a single semester.

HOC 044 - Pharmacology C

1.0 Units

This is a continuation course in pharmacology designed to assist the vocational nursing student with the principles of pharmacology. Emphasis is on defining pharmacological agents, classes, precautions for use, side effects, medication interactions, contraindications, and patient teaching for safe and proper pharmacological agents used for patients with disorders of the endocrine, hematologic, integumentary, and gastrointestinal systems and for pediatric clients.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Students must successfully complete all courses for the previous semester of the nursing program during a single semester.

HOC 045A - Advanced Skills/Simulation Lab

1.0 Units

This course allows the advanced vocational nursing student the opportunity to integrate the concepts of the nursing process, clinical reasoning, nursing theory, and nursing skills in a laboratory setting which simulates the clinical experience. Focus is placed on developing competence in performing basic nursing procedures and skills through practice on manikins, return demonstration of skills and participation in simulated clinical scenarios aimed to meet the needs of the medical-surgical and geriatric patients with gastrointestinal, integumentary, endocrine, and hematological disorders and pediatric patients and their families in inpatient and outpatient settings.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Course Advisory and Requisites

Prerequisite: Students must successfully complete all courses for the previous semester of the nursing program during a single semester.

HOC 046A - Advanced Clinical Practicum

5.0 Units

This is an advanced level experiential course designed to give the student a working knowledge of the principles and skills necessary for providing nursing care in a variety of settings. Clinical experience is correlated with classroom learning and includes an emphasis on integrating the critical elements of nursing into the care of medical-surgical, pediatric and geriatric clients. Emphasis is placed on continued competence in critical thinking skills and in performing vocational nursing functions. The focus is on developing advanced leadership skills and transitioning from a student level to a novice level of practice.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Course Advisory and Requisites

Prerequisite: Students must successfully complete all courses for the previous semester of the nursing program during a single semester.

HOC 047 - Leadership and Professional Practice

1.5 Units

The focus of this course is to prepare the vocational nursing student for application to the licensure/NCLEX examination and the transition to entry level professional practice. Course content includes: securing and maintaining licensure; exploration of employment opportunities; interviewing techniques/strategies; legal, ethical and socio-cultural aspects of client care; the effect of current issues and trends on clinical practice; and the development of leadership roles.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: Students must successfully complete all courses for the previous semester of the nursing program during a single semester.

HOC 050 - Role Transition LVN to RN

2.0 Units

This course is designed to prepare the licensed vocational nurse for entry into an associate degree nursing (ADN) program. The course includes topics such as nursing process, role change, research skills, teaching-learning principles, and development of the teaching role. The course content focuses on competencies expected of the graduate ADN such as critical thinking skills, review of medical-surgical nursing, pharmacology, and medication calculations) to prepare the student for success in an ADN program. Students must achieve 75% overall in order to pass the course.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Corequisite: HOC 050A

HOC 050A - Role Transition Clinical

1.0 Units

This course involves directed clinical experiences in a simulated acute hospital and simulated community healthcare agencies that provide services for perioperative and medical/surgical clients. Through the use of the nursing process, the student provides care, teaching, support and rehabilitation to perioperative and medical/surgical clients. Emphasis is on the role of the registered nurse caring for clients with acute and chronic problems. Students must achieve 75% overall in order to pass the course.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Course Advisory and Requisites

Corequisite: HOC 050

HOC 051 - Community Mental Health Nursing

2.0 Units

This course is designed to present mental health principles to assist the RN nursing student in developing an increased understanding of human behavior in the areas of anxiety disorders, psychiatric disorders, chemical dependency, personality disorders, domestic violence and sexual assault issues. Instruction regarding the application of therapeutic communication skills, psychopharmacological concepts and mental status assessment skills is also emphasized with the discussion of the above issues. This course is designed to provide theoretical and clinical approaches in providing nursing care to individuals of varying ages, with complex health care needs in the community setting. Students must achieve 75% overall in order to pass the course.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: HOC 050 and HOC 050A

Corequisite: HOC 052 and HOC 053 and HOC 054

HOC 052 - Intermediate Medical-Surgical Nursing Theory

3.0 Units

This course provides the student with the opportunity to synthesize and correlate nursing knowledge and skills necessary in the provision of care to multiple patients who have complex, multi-system illnesses. The focus is for the students to learn to identify and anticipate patient needs and priorities, and evaluate outcomes of care. The nursing care of adult and geriatric clients with acute and chronic illnesses is addressed, in addition to integrating and practicing associated psycho-motor skills. Students must earn 75% or better overall in course assignments to earn a passing grade in this course.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: HOC 050 and HOC 050A

Corequisite: HOC 051 and HOC 053 and HOC 054

HOC 053 - Introduction to Clinical Judgement

1.0 Units

This course allows the registered nursing student to integrate the concepts of critical thinking, critical reasoning, nursing theory, and nursing skills in a laboratory setting which simulates the clinical experience. This course integrates nursing theory and clinical learning experiences through the use of case studies, clinical narratives, participation in clinical simulation scenarios with computerized manikins, and class discussion. This simulated clinical experience enhances the student's nursing theory course classroom learning. The emphasis is on the role of the registered nurse caring for acute medical-surgical and geriatric patients with acute and chronic problems in the nursing simulation lab. Emphasis is on developing competence in critical thinking and in leadership skills.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Course Advisory and Requisites

Prerequisite: HOC 050 and HOC 050A

Corequisite: HOC 051 and HOC 052 and HOC 054

HOC 054 - Intermediate Clinical Practicum

4.0 Units

This course provides the nursing student with directed clinical experiences in acute care hospitals and a variety of community healthcare agencies for adult and geriatric patients/clients. The nursing student provides comprehensive, holistic patient/client care and teaching to assist the individuals who have acute or chronic illness in the medical-surgical and mental health/psychiatric settings to meet their health needs while incorporating the standards of professional practice and the Neuman Systems Model.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Course Advisory and Requisites

Prerequisite: HOC 050 and HOC 050A

Corequisite: HOC 051 and HOC 052 and HOC 053

HOC 060 - Advanced Maternal-Child Nursing

2.0 Units

This course focuses on the nursing process as it relates to the child-bearing and child-rearing family. The nurse's roles of provider, manager of care, and member of the profession are explored in meeting the needs of patients in labor and delivery, mother-baby, and pediatrics. This course focuses on assessing, developing, implementing and evaluating a plan of care that respects the individual's cultural and ethnic child-bearing and child-rearing beliefs that have an impact on the hospitalized child and family. Simulated practice of nursing skills in a nursing simulation laboratory is required.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: HOC 050 and HOC 050A and HOC 051 and HOC 052 and HOC 053 and HOC 054

Corequisite: HOC 061 and HOC 062 and HOC 064

HOC 061 - Advanced Medical-Surgical Nursing Theory

3.0 Units

This course focuses on advanced application of the nursing process in the care of critically ill adult and geriatric patients. The students have an opportunity to integrate and apply previously learned skills and knowledge from all areas of nursing practice. Content includes leadership theory and application, delegation, priorities, and time management.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: HOC 050 and HOC 050A and HOC 051 and HOC 052 and HOC 053 and HOC 054

Corequisite: HOC 060 and HOC 062 and HOC 064

HOC 062 - Leadership and Ethics

1.0 Units

This course introduces principles of leadership and supervision as they apply to the registered nurse. The focus is on the role of the registered nurse as a member of the health care team and supervisor of vocational nurses and unlicensed health care team caregivers. Students address basic ethical concepts, principles, justification, and reasoning and apply them to ethical issues and cases involving professionalism, confidentiality, veracity, paternalism, and informed consent in the context of nursing situations.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade Methods

Course Advisory and Requisites

Prerequisite: HOC 050 and HOC 050A and HOC 051 and HOC 052 and HOC 053 and HOC 054

Corequisite: HOC 060 and HOC 061 and HOC 064

HOC 064 - Advanced Clinical Practicum

5.0 Units

This course provides the nursing student with directed clinical experiences for maternal-child and pediatric patient/clients as well as adult and geriatric patients/clients in acute care hospitals and a variety of community healthcare agencies. The nursing student provides comprehensive, holistic patient/client care and teaching to assist the individuals who have acute or chronic illness in the medical-surgical setting as well as provide maternal-child nursing care for patients in labor and delivery, mother-baby, and pediatrics settings to meet their health needs while incorporating the standards of professional practice and the Neuman Systems Model.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Course Advisory and Requisites

Prerequisite: HOC 050 and HOC 050A and HOC 051 and HOC 052 and HOC 053 and HOC 054

Corequisite: HOC 060 and HOC 061 and HOC 062

HOC 905 - Math for Health Occupations

1.0 Units

This course is an introduction to math calculations for health occupations students. It provides the learner with the opportunity to explore the math functions within the health field. Students become competent with performing accurate calculations for the delivery of medications. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade Methods

Course Advisory and Requisites

Advisory: Elementary Algebra Skills.

Humanities (HUM)

HUM 001A - Human Values in and From the Arts

3.0 Units

This course is an integrated, interdisciplinary survey of the art, music, literature, history, religion and philosophy of the Western world from ancient Greek and Roman times through the Medieval period. The class consists of illustrated lectures and discussions. A field trip to a museum, theater performance or concert is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

• Area 3B - Humanities

California State University General Education-Breadth (CSU GE-B)

• Area C2 - Humanities

AA/AS General Education Requirements

• A-3 - Arts & Humanities

Grade Options

Letter Grade

Pass/No Pass

HUM 001B - Human Values in and From the Arts

3.0 Units

This course is an integrated, interdisciplinary survey of the art, music, literature, history, religion and philosophy of the Western world from Renaissance to modern times. The course consists of illustrated lectures and discussions. A field trip to a museum, theater performance, or concert is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

• Area 3B - Humanities

California State University General Education-Breadth (CSU GE-B)

• Area C2 - Humanities

AA/AS General Education Requirements

• A-3 - Arts & Humanities

Grade Options

Letter Grade

Pass/No Pass



HUM 007 - International Films

3.0 Units

This course provides a critical look at the world and its problems through some of the finest international films. Films from Asia, Africa, Europe, and the Americas are viewed and analyzed to explore such topics as nationalism, sovereignty, war and peace, ethnic conflict, economics and immigration. This course is cross-listed as Political Science 007 (POL 007).

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
- Area D - Social Sciences
- AA/AS General Education Requirements
- A-3 - Arts & Humanities
- A-4 - Social & Behavioral Sciences

Grade Options

Letter Grade

Pass/No Pass

HUM 015 - Introduction to Film Analysis

3.0 Units

This course covers critical analysis of film as a literary art form. Exemplary motion pictures are viewed and examined with special attention to film technique, thematic content, and aesthetic values.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
- AA/AS General Education Requirements
- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

HUM 016A - Hispanic Roots & Culture

3.0 Units

This course undertakes a chronological study of Hispanic culture beginning with the Pre-Colombian civilizations and continuing to the present. Emphasis is placed on understanding today's Hispanic world view which has resulted from the unique cultural and historical heritage of indigenous and Spanish, as well as Northern American cultures. Aspects of culture and values reflected in art, literature, and music are examined. The course is cross-listed as ETH 016A.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences
- Area C2 - Humanities
- Intersegmental General Education Transfer Curriculum (IGETC)
- Area 3B - Humanities
- Area 4 - Social and Behavioral Sciences
- AA/AS General Education Requirements.
- A-3 - Arts & Humanities
- A-4 - Social & Behavioral Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

HUM 018 - African American Culture and Humanities

3.0 Units

This course is designed to provide the student with an overview of the humanities through the culture and life experiences of African Americans. Content focuses on significant themes such as literary expressions, folklore, visual arts, music, dance, theater, religion, and philosophical thought. The course provides an examination of the historic, economic, and social forces that have inspired creativity among African Americans. This course is cross-listed as ETH018.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
- Area D - Social Sciences
- AA/AS General Education Requirements.
- A-3 - Arts & Humanities
- A-4 - Social & Behavioral Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

HUM 018H - African American Culture and Humanities - Honors

3.0 Units

This honors course is designed to provide the student with an overview of the humanities through the culture and life experiences of African Americans. Content focuses on significant themes such as literary expressions, folklore, visual arts, music, dance, theater, religion, and philosophical thought. The course provides an examination of the historic, economic, and social forces that have inspired creativity among African Americans. Students may not receive credit for both HUM 018 and HUM 018H. Enrollment in the Honors Transfer Project is required.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
- Area D - Social Sciences
- Intersegmental General Education Transfer Curriculum (IGETC)
- Area 3B - Humanities
- Area 4 - Social and Behavioral Sciences
- AA/AS General Education Requirements.
- A-3 - Arts & Humanities
- A-4 - Social & Behavioral Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

HUM 020 - Asian Roots and Culture

3.0 Units

This course provides an introduction and overview to the lands, peoples, languages and cultures of Asia beginning with the prehistoric times and continuing to the present. Emphasis is placed on understanding the Asian world view. Aspects of culture and values reflected in art, literature, philosophy/religion, and music are examined.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

HUM 022 - Introduction to Islam

3.0 Units

This course provides an introduction to Islam as a religious system focusing on its origins, basic sources, history, culture, and values.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

HUM 024 - The Asian-American Experience

3.0 Units

The Asian-American Experience is a multi-disciplinary survey course that introduces students to the historical and contemporary experiences of different groups of Asian-Americans including the Chinese, Japanese, Korean, Vietnamese, Indian, Filipino, and Pacific Islander communities. Students will read, view, and discuss materials related to topics such as immigration, exclusion, imperialism, race, class, gender, sexuality, language, social identity and other issues related to Asian-American life including cultural expression through various art forms. This course is cross listed as ETH024.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

- Area D - Social Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities

- Area 4 - Social and Behavioral Sciences

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

- A-4 - Social & Behavioral Sciences

Grade Options

Letter Grade Methods

Pass/No Pass

HUM 030 - Cultural Studies

3.0 Units

This course exposes students to the cultures and civilizations of different countries around the world. Through field trips to foreign countries, students learn about the art, music, language, customs, food, and daily life of people in other cultures. Students practice language skills acquired in foreign language courses.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

Instructional Support (INS)

INS 010 - Peer Tutor and Mentor Training

1.5 Units

This course provides students with effective learning strategies and academic assistance techniques for peer tutoring and mentoring in a community college setting. This course also emphasizes skills in communication, problem solving, critical thinking, handling challenging tutoring situations, and online tutoring.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade

INS 015 - Advanced Training for Peer Tutors and Mentors

1.5 Units

This is a second level peer tutor and mentor training course. Topics include use of probing questions, cultural awareness, strategies for working with adult students, identifying and using campus services and other resources to assist students, assessing or changing study behaviors, communication strategies, group facilitation strategies, and assisting students with disabilities.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: INS 010

INS 810 - Peer Tutor and Mentor Training

0.0 Units

This course provides students with effective learning strategies and academic assistance techniques for peer tutoring and mentoring in a community college setting. This course also emphasizes skills in communication, problem solving, critical thinking, structuring learning experience and handling challenging situations, as well as online tutoring. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass



INS 815 - Advanced Peer Tutors and Mentors Training

0.0 Units

This is a second level peer tutor and mentor training course. Topics include use of probing questions, intercultural communication, strategies for working with adult students and assessing their needs, establishing positive study behaviors, communication strategies, group facilitation strategies, and tutoring in subject areas and/or specific Skills. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Course Advisory and Requisites

Prerequisite: INS 810

Japanese (JPN)

JPN 001 - First Semester Japanese

5.0 Units

Students learn the fundamentals of Japanese grammar, pronunciation, and two written syllabary systems, Hiragana and Katakana. Emphasis is placed on communication and relevancy. Students are personally involved in a variety of activities which encourage use of language creatively in meaningful situations. In addition, the students are exposed to the basics of Japanese culture.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 6 - Language other than English
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
- AA/AS General Education Requirements
- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

JPN 002 - Second Semester Japanese

5.0 Units

Japanese 002 is a continuation of Japanese 001. Students acquire the basic skills for communication in Japanese: listening, speaking, reading, and writing. Students are exposed to a general overview of Japanese civilization and culture.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- Area 6 - Language other than English
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
- AA/AS General Education Requirements
- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: JPN 001 or proof of transcript reflecting 2 years of High School Japanese

Kinesiology (KIN)

KIN 001A - Adapted Weight Training

1.0 Units

This course is designed for students with verifiable disabilities. A personalized exercise plan (PEP) is developed to meet each student's needs. Focus is on increasing overall muscular strength and endurance based on each individual's ability.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 001C - Adapted Aerobics

1.0 Units

This course is designed to introduce skills needed for daily cardiovascular activity for students with verifiable disabilities through the use of aerobic exercise. Exercises performed develop the cardiovascular system and enable students to function more efficiently and effectively within their own abilities. Appropriate low and mid impact aerobics are developed collaboratively with the instructor to meet each student's needs.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 014A - Volleyball - Introduction

1.0 Units

This course is designed to introduce students to the fundamental skills of volleyball. Players learn to serve, pass, set and employ the basic strategies of the game.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 014B - Volleyball - Beginning

1.0 Units

This course is designed to review the fundamental skills of volleyball and add hitting, blocking and tipping to the players' repertoire. Players work on improving the depth and accuracy of their shots while employing the strategies of the game.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 014A

KIN 014C - Volleyball - Intermediate

1.0 Units

This course is designed to enhance the fundamental skills of volleyball and add jump-serving hitting, swing-blocking, setting, and tipping to the players' repertoire. Players work on improving the depth and accuracy of their skills while employing specific strategies of the game.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 014B

KIN 014D - Volleyball - Advanced

1.0 Units

This course is designed to enhance the fundamental skills of volleyball and add jump-serving hitting, swing-blocking, jump-setting and tipping techniques to the players' repertoire. Players work on fine tuning the depth and accuracy of their skills while employing specific, advanced strategies of the game.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 014C

KIN 015A - Basketball - Introduction

1.0 Units

This course is designed to teach the basic rules, skills, techniques and history of basketball. Drills are included to develop or enhance shooting, passing, rebounding, and defensive footwork. Scrimmages are utilized to develop team play concepts.



Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options Letter Grade

Pass/No Pass

KIN 015B - Basketball - Beginning

1.0 Units

This course is designed to teach the basic skills and techniques of basketball. Building upon skills learned in KIN 015A, drills are used to develop or enhance shooting, passing, rebounding, and defensive skills. Scrimmages are utilized to develop team play concepts.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 015A

KIN 015C - Basketball - Intermediate

1.0 Units

This course is designed to teach the intermediate skills and techniques of basketball. Building upon skills learned in KIN 015B, drills are used to develop and enhance shooting, passing, rebounding, and defensive skills. Scrimmages are utilized to develop team play concepts.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 015B

KIN 015D - Basketball - Advanced

1.0 Units

This course is designed to teach the advanced skills and techniques of basketball. Building upon skills learned in KIN 015C, drills are used to develop and enhance shooting, passing, rebounding, advanced footwork, and ball-handling skills. Scrimmages are utilized to develop team play concepts.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 015C

KIN 017A - Pickleball - Introduction

1.0 Units

This class is an Introductory pickleball class. Throughout this class we will focus on developing basic skills and implementing them into game situations. We will cover skills such as ball control, forehand/backhand drive, drive/lob serve, forehand/backhand volley, smash, and strategy.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

KIN 017B - Pickleball - Beginning

1.0 Units

This class is a beginning pickleball class. Throughout this class we will focus on developing beginning level skills and implementing them into game situations. We will cover skills such as ball control, forehand/backhand drive, drive/lob serve, forehand/backhand volley, smash, and beginning level strategy.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 017A

KIN 019A - Soccer - Introduction

1.0 Units

This course is designed to introduce the basic rules, skills, techniques and history of soccer. Drills are included to introduce the student to shooting, passing, trapping, and dribbling. Scrimmages are utilized to develop team play concepts.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 019B - Soccer - Beginning

1.0 Units

This course is designed to review the basic rules, skills, and techniques of soccer, as well as develop players' execution of the fundamental strategies of the game. Drills are included to enhance shooting, passing, heading and dribbling. Scrimmages are utilized to develop team play concepts.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 019A

KIN 020A - Badminton- Introduction

1.0 Units

This course introduces the student to the fundamentals and strategies of the game of badminton. The main emphasis of this course is on basic skills, drills and the rules of badminton.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 020B - Badminton - Beginning

1.0 Units

This course continues the development of the fundamental skills and strategies of the game of badminton. The main emphasis of this course is to refine the technique and improve the proficiency of the basic skills of the game.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 020A

KIN 020C - Badminton - Intermediate

1.0 Units

This course introduces the student to the intermediate skills and strategies of the game of badminton. The main emphasis of this course is on drills, finesse shots, shot placement, court position, and singles and doubles strategy.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 020B

KIN 020D - Badminton - Advanced

1.0 Units

This course introduces the student to the advanced skills and strategies of the game of badminton. The main emphasis of this course is on drills, finesse shots, shot placement, court position, and singles and doubles strategy.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 020C

KIN 021A - Tennis - Introduction

1.0 Units

This course is designed to teach the fundamentals of tennis to students. Mastery of these skills enables students to progress to the next level of tennis.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 021B - Tennis - Beginning

1.0 Units

This course is designed to improve the basic fundamentals of tennis. Repetition of these skills will enable the student to improve and progress to the next level. Singles and doubles strategies will become more evident as the player becomes more consistent.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 021A

KIN 021C - Tennis - Intermediate

1.0 Units

This course is designed to develop skill and knowledge of the game of tennis at an intermediate level. Students will develop the use of spin and shot placement. Singles and doubles play are encouraged.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 021B

KIN 021D - Tennis - Advanced

1.0 Units

This course provides the student with the opportunity for further mastery of specific tennis skills and strategies at an advanced level.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 021C

KIN 021E - Tennis - Tournament

2.0 Units

This course is designed for the student who has played or desires to play tournament tennis. Advanced skills and strategy are reviewed and practiced to increase mastery for tournament play.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 021D

KIN 023A - Archery - Introduction

1.0 Units

This course is designed to introduce students to the sport of archery. Students learn about safety guidelines, choosing proper equipment, target shooting, scoring, etiquette, and the rules of archery.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass



KIN 023B - Archery - Beginning

1.0 Units

This course is designed to refine the shooting skills of the beginning archery student. Emphasis is placed on shooting technique, form, and concentration. Safety guidelines, etiquette, and rules of archery are reviewed.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 023A

KIN 023C - Archery - Intermediate

1.0 Units

This course is designed to improve the shooting technique, targeting systems, and knowledge of the intermediate Archery student. Archery requires repetition and feedback to refine and master these skills. Intermediate students will continue to develop their archery skills by shooting longer distances and using various targeting strategies.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 023D - Archery - Advanced

1.0 Units

This course is designed for the advanced archery student to further improve their skills by applying various shooting techniques and by increasing the distances when target shooting.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 030A - Pilates Matwork - Introduction

1.0 Units

This course is an introduction to Joseph Pilates' Physical mind Conditioning Method. The matwork provides the ideal physical fitness for the attainment and maintenance of a uniformly developed body and sound mind. The study of Pilates improves flexibility, strength and breathing techniques.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 030B - Pilates Matwork - Beginning

1.0 Units

This course is the study and practice of Joseph Pilates' Physical mind Conditioning Method at a beginning level. Through the study of matwork, the student improves physical well-being including flexibility, strength and breathing techniques.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 030A

KIN 030C - Pilates Matwork - Intermediate

1.0 Units

This course is the study and practice of Joseph Pilates' Physical mind Conditioning Method at an intermediate level. Through the study of matwork, the student improves physical well-being including flexibility, strength and breathing techniques.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 030B

KIN 030D - Pilates Matwork - Advanced

1.0 Units

This course is the study and practice of Joseph Pilates' Physical mind Conditioning Method at an advanced level. Prior Pilates practice is strongly recommended.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 030C

KIN 032A - Cardio and Core Fitness- Introduction

1.0 Units

This course is designed for students to satisfy the needs for cardiovascular activity including developing and maintaining cardiovascular fitness through the use of continuous aerobic movements. Students will engage in a comprehensive fitness program which includes aerobic activity, core strengthening exercises that help develop agility, improve coordination, and increase core and overall body strength.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

• Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

• A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 032B - Cardio and Core Fitness- Beginning

1.0 Units

This is a beginning level course is designed for students to satisfy the needs for cardiovascular activity including maintaining and improving cardiovascular fitness through the use of continuous aerobic movements. Students will engage in a comprehensive fitness program which includes aerobic activity, core strengthening exercises that help develop agility, improve coordination, and increase core and overall body strength.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

• Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

• A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 032A

KIN 032C - Cardio and Core Fitness - Intermediate

1.0 Units

This is an intermediate level course is designed for students to satisfy the needs for cardiovascular activity including developing and maintaining cardiovascular fitness through the use of continuous aerobic movements. Students will engage in a comprehensive fitness program which includes aerobic activity, core strengthening exercises that help develop agility, improve coordination, and increase core and overall body strength.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

• Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

• A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 032B

KIN 032D - Core and Cardio Fitness - Advanced

1.0 Units

This advanced level course is designed for students to satisfy the needs for cardiovascular activity including maintaining and improving cardiovascular fitness through the use of continuous aerobic movements. Students will engage in a comprehensive fitness program which includes aerobic activity, core strengthening exercises that help develop agility, improve coordination, and increase core and overall body strength.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

• Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

• A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 033A - Kickboxing Fitness- Introduction

1.0 Units

This course introduces the student to kickboxing for aerobic fitness. Basic punches, kicks, and stances are taught. Techniques are taken from karate, tai chi and boxing as ways to improve cardiovascular fitness.

Transferability and General Education

Transferable to both UC and CSU

General Education-Breadth (CSU GE-B)

• Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

• A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 033B - Kickboxing Fitness - Beginning

1.0 Units

Students build upon the kickboxing movements learned in KIN 033A, with an emphasis on proper body alignment and a more advanced level of cardiovascular fitness. Techniques are from karate, tai chi and boxing as ways to improve overall fitness.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

• Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

• A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Advisory: KIN 033A

KIN 033C - Kickboxing Fitness-Intermediate

1.0 Units

This course advances students' kickboxing skills for aerobic fitness. Basic punches, kicks and stances are taught. Techniques are taken from karate, tai chi and boxing as ways to improve cardiovascular fitness.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade
Pass/No Pass

KIN 035A - Weight Training - Introduction

1.0 Units

This course is designed to enhance the development of muscular fitness and overall body tone. Information is presented to increase student understanding of various aspects of weight training from safety through proper lifting techniques.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade
Pass/No Pass

KIN 035B - Weight Training - Beginning

1.0 Units

This course is designed to enhance the development of muscular strength, muscular endurance and overall body tone. Information is presented to increase the student's understanding of various aspects of weight training including safety, proper lifting techniques, and beginning training protocols.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade
Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 035A

KIN 035C - Weight Training - Intermediate

1.0 Units

This course is designed for intermediate level students who want to continue their development of muscular strength and muscular endurance at a more advanced level. Training protocols such as pyramid and super set training are taught. Additional information is presented to increase student's understanding of various aspects of weight training.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade
Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 035B

KIN 037A - Cardio-Cross Training - Introduction

1.0 Units

This course is designed to enhance the student's cardiovascular condition at the introductory level by providing a variety of methods of training on equipment such as the treadmill, stair-stepper, exercise bicycle and more. Information is provided on how to use and program the various pieces of cardio equipment as well as principles needed to obtain good cardiovascular condition.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Pass/No Pass
Letter Grade

KIN 037B - Cardio-Cross Training - Beginning

1.0 Units

This course is designed to enhance the student's cardiovascular conditioning at the beginning level by providing a variety of methods of training on equipment such as the treadmill, stair stepper, exercise bicycle and transport. Information is provided on how to use and program the various pieces of cardio equipment as well as principles needed to obtain good cardiovascular condition.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade
Pass/No Pass

KIN 037C - Cardio-Cross Training - Intermediate

1.0 Units

This course is designed to enhance the student's cardiovascular condition at the intermediate level by providing a variety of methods of training on equipment such as the treadmill, stair stepper, exercise bicycle and more. Information is provided on how to use and program the various pieces of cardio equipment as well as principles needed to obtain good cardiovascular condition.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 037B

KIN 037D - Cardio-Cross Training - Advanced

1.0 Units

This course is designed to enhance the student's cardiovascular condition at the advanced level by providing a variety of methods of training on equipment such as the treadmill, stair stepper, exercise bicycle and transport. Information is provided on how to use and program the various pieces of cardio equipment as well as principles needed to obtain good cardiovascular condition.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 037C

KIN 038A - Lower Body Conditioning - Introduction

1.0 Units

This course is designed to improve middle and lower extremity muscular strength, condition, and shape at the introductory level. The student participates in a program with specialized exercises that are designed to only work the legs, gluteal, and abdominal areas. Information is presented to increase student understanding of muscular and cardiovascular principles for conditioning. Health and nutritional/diet issues are also addressed. Strength testing and body composition measurements are performed to monitor progress.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 038B - Lower Body Conditioning - Beginning

1.0 Units

This course is designed to improve middle and lower extremity muscular strength, condition, and shape for the beginning level of lower body conditioning. The student participates in a program with specialized exercises that are designed to only work the legs, gluteal, and abdominal areas. Information is presented to increase student understanding of muscular and cardiovascular principles for conditioning. Health and nutritional/diet issues are also addressed. Strength testing and body composition measurements are performed to monitor progress.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 038A

KIN 038C - Lower Body Conditioning - Intermediate

1.0 Units

This course is designed to improve middle and lower extremity muscular strength, condition, and shape at the intermediate level. The student participates in a program with specialized exercises that are designed to only work the legs, gluteal, and abdominal areas. Information is presented to increase student understanding of muscular and cardiovascular principles for conditioning. Health and nutritional/diet issues are also addressed. Strength testing and body composition measurements are performed to monitor progress.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 038B



KIN 038D - Lower Body Conditioning - Advanced

1.0 Units

This course is designed to improve middle and lower extremity muscular strength, condition, and shape for the advanced level of lower body conditioning. The student participates in a program with specialized exercises that are designed to only work the legs, gluteal, and abdominal areas. Information is presented to increase student understanding of muscular and cardiovascular principles for conditioning. Health and nutritional/diet issues are also addressed. Strength testing and body composition measurements are performed to monitor progress.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 038B

KIN 038E - Lower Body Conditioning - Endurance Training

1.0 Units

This course is designed for the introductory, intercollegiate level of lower body conditioning. Students improve core and lower extremity training through muscular strength and endurance training and cardio conditioning.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 038F - Lower Body Conditioning - Speed Training

1.0 Units

This course is designed to improve middle and lower extremity through speed training for the beginning intercollegiate level of lower body conditioning.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 038E

KIN 038G - Lower Body Conditioning - Agility Training

1.0 Units

This course is designed to improve core strength and lower extremity agility for lower body conditioning at the intermediate collegiate level.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 038F

KIN 038J - Lower Body Conditioning - Plyometric Training

1.0 Units

This course is designed to improve core and lower extremity strength through plyometric training and conditioning for the advanced intercollegiate level.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 038G

KIN 039A - Fire Agility - Introduction

2.0 Units

This course is designed to enhance the overall fitness level of the Fire Technology student and introduce them to specific skills required to successfully complete Fire Department physical agility tests. The emphasis is on improving both cardiovascular and anaerobic endurance plus muscle strength and endurance. Intense resistance training, anaerobic and cardiovascular workouts are utilized. Non-Fire Technology students are also welcome.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade

Pass/No Pass



KIN 039B - Fire Agility - Beginning

2.0 Units

This course satisfies the requirement to enroll in the Mission College Fire Academy and is designed to enhance the overall fitness level of the Fire Technology students to prepare them to successfully complete Fire Agencies physical agility tests. Building upon the skills learned in KIN 039A, the emphasis is on improving cardiovascular endurance, muscle strength and endurance. Intense resistance training, plyometric training, anaerobic and cardiovascular workouts are utilized. Non-Fire Technology students are also welcome.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade
Pass/No Pass

KIN 039C - Fire Agility - Intermediate

2.0 Units

Advisory: KIN 039B This course covers the intermediate skills and techniques designed to enhance the overall fitness level of the Fire Technology student in order to prepare them to successfully complete the CPAT and other fire agencies physical agility tests. Building upon the skills learned in KIN 039A and KIN 039B, the emphasis is on intermediate and advanced training methodologies. Intense resistance training techniques, plyometric training and cardiovascular workouts are utilized. Non-Fire Technology students are also welcome.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade
Pass/No Pass

KIN 039D - Fire Agility - Advanced

2.0 Units

Advisory: KIN 039C This course is designed for students enrolled in the Mission College Fire Academy. Advanced skills and techniques enhance the overall fitness level of the Fire Technology student in order to prepare them to successfully complete the CPAT and other fire agencies physical agility tests. Building upon the skills learned in KIN 039A, KIN 039B and KIN 039C, the emphasis is on advanced training methodologies. Advanced resistance training techniques, plyometric speed and agility training and cardiovascular workouts are utilized.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade
Pass/No Pass

KIN 040A - Modern Dance - Introduction

1.0 Units

This course is an introduction to the varied theories, styles, and techniques of the modern dance idiom.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass
Letter Grade

KIN 040B - Modern Dance - Beginning

1.0 Units

This course is the study and practice of the varied theories, styles, and techniques of the modern dance idiom at a beginning level.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass
Letter Grade

Course Advisory and Requisites

Advisory: KIN 040A

KIN 040C - Modern Dance - Intermediate

1.0 Units

This course is the study and practice of the varied theories, styles, and techniques of the modern dance idiom at an intermediate level.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass
Letter Grade

Course Advisory and Requisites

Advisory: KIN 040B

KIN 040D - Modern Dance - Advanced

1.0 Units

This course is the study and practice of the varied theories, styles, and techniques of the modern dance idiom at an advanced level.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass
Letter Grade

Course Advisory and Requisites

Advisory: KIN 040C



KIN 041A - Ballet - Introduction

1.0 Units

This course is designed to introduce the student to the discipline, aesthetics, traditions, and historical background of classical ballet.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 041B - Ballet - Beginning

1.0 Units

This course is designed for beginning level dancers to practice the discipline of ballet including improving technique and performance skills. Historical background, traditions and etiquette are also covered.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 041A

KIN 041C - Ballet - Intermediate

1.0 Units

This course is designed for intermediate level dancers to practice the discipline of ballet including improving technique, building strength, and developing higher level performance skills.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 041B

KIN 041D - Ballet - Advanced

1.0 Units

This course is designed for advanced level dancers to practice the discipline of ballet including perfecting technique and developing advanced level performance skills.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 041C

KIN 042A - Jazz Dance - Introduction

1.0 Units

This course is designed to introduce the student to the varied theories, styles and techniques of the jazz dance idiom.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 042B - Jazz Dance - Beginning

1.0 Units

This course is designed for the beginning level student. Emphasis is placed on the varied theories, styles and techniques of the jazz dance idiom. Practice and performance opportunities are available at a beginning level.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 042A

KIN 042C - Jazz Dance - Intermediate

1.0 Units

This course is designed for the intermediate level student. Emphasis is placed on the varied theories, styles, and techniques of the jazz dance idiom. Practice and performance opportunities are available at an intermediate level.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 042B

KIN 046A - Ballroom Dancing - Introduction

1.0 Units

This course introduces students to various ballroom dances. Alignment and posture, etiquette, and spontaneous leading and following are emphasized.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

KIN 046B - Ballroom Dancing - Beginning

1.0 Units

This course covers the foundations of ballroom dance, including beginning level steps, positions of the body, developing leading and following skills and basics of styling for various ballroom dances.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 046A

KIN 046C - Ballroom Dance - Intermediate

1.0 Units

This is an intermediate ballroom dance class that covers various ballroom dances with an emphasis on technique, styling and performance skills that are specific to each dance. Leading and following skill are emphasized.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 046B

KIN 046D - Ballroom Dance - Advanced

1.0 Units

This is an advanced level course covering various ballroom dances. Advanced techniques for styling and performance are emphasized.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 046C

KIN 047A - Hip Hop - Introduction

1.0 Units

This course introduces students to the fundamentals of hip hop. Students learn general patterns as well as the basics of creating their own style and routines. Information is presented describing the history and cultural development of hip hop as a dance form.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

KIN 047B - Hip Hop - Beginning

1.0 Units

This course is the study and practice of hip hop at a beginning level. Students learn general patterns as well as the basics of creating their own style and routines. Information is presented describing the history and cultural development of hip hop as a dance form.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 047A

KIN 047C - Hip Hop - Intermediate

1.0 Units

This course is the study and practice of hip hop at an intermediate level. Students learn choreography as well as create their own style and routines.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 047B

KIN 047D - Hip Hop - Advanced

1.0 Units

This course is the study and practice of hip hop at an advanced level. Students learn choreography as well as create their own style and routines.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 047C

KIN 048A - Latin Dance/Salsa - Introduction

1.0 Units

This course is designed to introduce students to selected International Latin and American Rhythm dances, as well as night club categories of Latin dance. There is an emphasis on alignment and posture, etiquette, and leading and following skills.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

KIN 048B - Latin Dance/Salsa - Beginning

1.0 Units

This is a beginning level course designed to practice selected International Latin, American Rhythm and club style Latin dances. There is an emphasis on alignment and posture, etiquette, and leading and following skills.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 048A

KIN 050A - Tai Chi - Introduction

1.0 Units

This course introduces the student to the fundamentals and health enhancing aspects of Tai Chi. Instruction covers the history and philosophy and emphasizes Tai Chi body movements and forms utilizing energy flow and stress reducing elements that are generated in the process.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 050B - Tai Chi - Beginning

1.0 Units

This course reviews the fundamentals and health enhancing aspects of Tai Chi at a beginning level. An introduction to Pushing Hands exercises and various Qi Gong exercises are included.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 050A

KIN 050C - Tai Chi - Intermediate

1.0 Units

This course reviews the fundamentals and health enhancing aspects of Tai Chi at an intermediate level including Pushing Hands exercises and various Qi Gong exercises.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 050B

KIN 050D - Tai Chi - Advanced

1.0 Units

This course reviews the fundamentals and health enhancing aspects of Tai Chi at an advanced level. An advanced form of Pushing Hands practice and additional Qi Gong exercises are included.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 050C

KIN 051A - Aikido - Introduction

1.0 Units

This course introduces the student to the philosophy, principles and physical techniques of Aikido. Aikido is a non-violent martial art that emphasizes harmony and natural movements to resolve conflicts.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade



KIN 051B - Aikido - Beginning

1.0 Units

This course reviews the philosophy, principles, and physical techniques of Aikido. The course emphasizes harmony and natural movements to resolve conflicts and integrate mind-body awareness. The principles of contraction and expansion and circular movement are explored in more detail.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 051A

KIN 051C - Aikido - Intermediate

1.0 Units

This course reviews the philosophy, principles and physical techniques of Aikido at an intermediate level. Aikido is a non-violent martial art that emphasizes harmony and natural movements to resolve conflicts.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 051B

KIN 053A - Karate - Introduction

1.0 Units

This class introduces students to the Okinawan/Japanese martial art of Wado Ki Kai Karate. Emphasis is on blocks, strikes, kicking movements, traditional forms from the Taikyoko and Pinan series, and self-defense.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

KIN 053B - Karate - Beginning

1.0 Units

This class reviews the fundamentals of the Okinawan/Japanese martial art of Wado Ki Kai Karate. Emphasis is on refinement of the student's blocks, strikes, kicking movements, the traditional forms from the Taikyoko and Pinan series, and self-defense.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Advisory: KIN 053A

KIN 053C - Karate - Intermediate

1.0 Units

This class reviews the fundamentals of the Okinawan/Japanese martial art of Wado Ki Kai Karate. Emphasis is on the refinement of the student's skills and the combining of techniques at an intermediate level.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Satisfactory Progress

Course Advisory and Requisites

Advisory: KIN 053B

KIN 055A - Self-Defense - Introduction

1.0 Units

This course is designed to introduce the student to the fundamental skills, strategy, and tactics of self-defense which may help the individual to recognize, avoid, and respond to dangerous situations.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 055B - Self Defense - Beginning

1.0 Units

This course reviews the fundamental skills, strategy, and tactics of self-defense. Emphasis is on refinement of skills and incorporates additional take downs and ground fighting tactics.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 055A

KIN 061A - Hatha Yoga - Introduction

1.0 Units

This class provides the student with an introduction to basic Hatha yoga poses with emphasis on form and body alignment. Strength, flexibility and balance are emphasized in the yoga poses. Relaxation and meditation techniques are also introduced.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 061B - Hatha Yoga - Beginning

1.0 Units

This class provides instruction and practice of yoga poses at a beginning level with an emphasis on form, body alignment, strength, flexibility and balance. Relaxation and meditation techniques are also incorporated into the practice.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 061A

KIN 061C - Hatha Yoga - Intermediate

1.0 Units

This class provides instruction in the physical practice of yoga at an intermediate level. Strength, flexibility and balance are emphasized within the physical practice. Breath control and meditation techniques are also incorporated.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 061B

KIN 061D - Hatha Yoga - Advanced

1.0 Units

This class emphasizes the physical practice of yoga at an advanced level. A prior yoga practice is strongly encouraged. Relaxation and meditation techniques are also incorporated.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 061C

KIN 063A - Hiking - Introduction

1.0 Units

This course introduces the student to basic hiking techniques as well as various hiking facilities in the local community. Proper warm-up and cool-down specifically for hiking is introduced. Students experience improved fitness levels through hiking.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 063B - Hiking - Beginning

1.0 Units

This course reviews basic hiking techniques and safety precautions and introduces students to the challenges of moderate level hiking facilities in the local community. Proper warm-up and cool-down specifically related to hiking are covered.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 063A

KIN 063C - Walk / Jog for Fitness - Introduction

1.0 Units

This course introduces the student to elementary walking and jogging. Students improve aerobic and muscular fitness. Proper warm-up, stretching, and cool down are introduced. Fitness goals are established and monitored throughout the course.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 063D - Walking / Jogging for Fitness - Beginner

1.0 Units

This course introduces the student to beginning walking and jogging. Students improve aerobic and muscular fitness. Proper warm-up, stretching, and cool down are introduced. Fitness goals are established and monitored throughout the course.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

• Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

• A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 063C

KIN 066 - Exercise Assessment and Program Design

3.0 Units

This course will cover assessment and testing protocols, physical fitness guidelines and the designing of anatomically and physiologically safe and effective exercise programs for sport and fitness participants. The human physiological responses and adaptations to the acute and/or chronic stress of exercise and physical training will also be addressed.

Transferability and General Education

AA/AS General Education Requirements

• A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

KIN 067 - Techniques of Fitness Instruction

3.0 Units

This course is designed to provide theoretical knowledge and practical skills in preparation for a national certification exam in fitness instruction. Topics will include guidelines for instructing safe, effective, and purposeful exercise using a variety of methods and equipment, essentials of the instructor-participant relationship, principles of motivation to encourage adherence in the group fitness setting, effective instructor-to-participant communication techniques, methods for enhancing group leadership, and the group fitness instructor's professional role. Students will be exposed to and practically apply the knowledge and skills associated with planning/designing, implementing, leading, and managing others, and the environmental elements using safe and effective exercises for a variety of fitness levels and special populations. Safety, liability, employment, client retention, and business management will also be discussed.

Grade Options

Pass/No Pass

Letter Grade

KIN 068 - Sport Psychology

3.0 Units

This course will review the psychological factors associated with participation and performance in sport activities. Sport psychology research will be examined to understand how sport performance is affected by psychological principles. Topics will include historical and contemporary perspectives of sport psychology, research methods, team and group dynamics, and the relationship between sport performance and various personality, motivational, and social psychological variables. Gender and age issues, as well as the effects and management of stress and anxiety, unhealthy behaviors, and psychological burnout will be discussed.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

• Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

• A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

KIN 069 - Stress Management Through Fitness and Lifestyle

3.0 Units

Students learn to analyze of physiological, psychological, sociological, and environmental parameters of stress, and develop personalized stress management strategies such as adhering to healthy eating and exercise behaviors to enhance well-being and the ability to cope with stress. Exercise and nutrition behaviors, intervention strategies and techniques are developed and practiced during this course to help students effectively manage stress.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

• Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

• A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

KIN 072 - Sports Nutrition

1.5 Units

This course is design specifically for the fitness specialist or enthusiast who wants a basic understanding of nutritional principles as they relate to exercise and sports. Emphasis is placed on understanding the role of nutrients in physical performance. Body composition, pre-competition meals, and the efficacy of ergogenic aids are also discussed.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 077

KIN 076 - Weight Training Principles and Routines

1.5 Units

This course is designed specifically for those students interested in pursuing the fitness specialist certificate specialty in personal training or anyone interested in learning about strength development and specific routines. Emphasis is on strength routines that develop various body parts as well as programs that enhance muscle strength, size, tone/ definition and cardiovascular condition. A thorough knowledge of the weight training facilities including equipment, as well as physiology, kinesiology, and anatomy is covered.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade

KIN 077 - Exercise Physiology

1.5 Units

This course is designed specifically for the fitness specialist or anyone desiring to learn how the body responds physiologically to exercise. Topics covered include how the body responds and adapts to exercise, muscle and cardiovascular physiology, metabolism, flexibility, body composition and environmental conditions. This course is relevant for those individuals considering teaching aerobic dance classes or becoming a personal trainer.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 074

KIN 078 - Introduction to Kinesiology

3.0 Units

This course is an introduction to the interdisciplinary approach to the study of human movement. An overview of the importance of the sub-disciplines in physical education and Kinesiology (motor learning/control, motor development, biomechanics, exercise physiology, social psychological foundations, and sport nutrition) will be discussed along with career opportunities in the areas of teaching, coaching, allied health, and fitness professions.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

C-ID Course and Title

KIN 100 Introduction to Kinesiology

Grade Options

Letter Grade

Pass/No Pass

KIN 079 - Lifetime Fitness

3.0 Units

This course provides an overview and application of fitness, wellness and lifestyle management techniques, aiding one in making informed decisions about how to obtain optimal physical, mental, emotional and social well-being. Accurate and reliable information on topics such as fitness, body composition, weight management, nutrition, stress management, sleep, substance use and abuse, disease prevention, behavior change protocols, relationships and the societal impact of poor health will be covered. Using the six dimensions of health, a personal and societal approach to developing a lifetime of fitness will be explored through personal reflection, critical thinking, and practical application of behavior change strategies to improve overall health.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 080 - Dance Appreciation

3.0 Units

This course is a study of the function of dance as art and ritual, social activity, spectacle, and entertainment through a survey of major dance works and artists from 19th century to present. It includes cultural contexts as well as styles and forms used in dance such as folk, ethnic, social, square, tap, jazz, modern and ballet.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Letter Grade

Pass/No Pass

KIN 081 - Sport in Society

3.0 Units

This course is a sociological analysis of sport in contemporary American Society. The role of sports regarding race, gender, family, religion, education, government, the economy, and sports institutions are examined. The social forces that have created sports organizations, the societal impact of sports, and the physiological, psychological, ethical, and societal consequences of sports participation are also explained.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

- Area D - Social Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

KIN 083 - Volleyball - Intercollegiate Training

2.0 Units

This course is designed to further develop an experienced athlete to condition the body for strength, flexibility, and endurance training in order to compete as a Women's varsity volleyball athlete. It is recommended that students have prior experience in volleyball, and some knowledge of the conditioning practices associated with it.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: It is recommended that students have prior experience in volleyball, and some knowledge of the conditioning practices associated with it.

KIN 084 - Intercollegiate Volleyball

3.0 Units

This course is designed to allow the student the opportunity to further their volleyball skills at a competitive, intercollegiate level.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: This is an Intercollegiate athletics course that is designed for the student-athlete to compete at a high level, and therefore, prior competitive volleyball experience is strongly encouraged at the high school or club level.

KIN 085 - Intercollegiate Badminton

3.0 Units

This course is designed for students who have aspirations of playing intercollegiate badminton. The history, rules, intermediate techniques and strategies, as well as conditioning for badminton, are addressed.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: This is an Intercollegiate athletics course that is designed for the student-athlete to compete at a high level, and therefore, prior competitive badminton experience is strongly encouraged at the high school or club level.

KIN 086 - Intercollegiate Basketball

3.0 Units

This course is designed for women students interested in competing on an intercollegiate basketball team. This course is designed to allow the student the opportunity to play intercollegiate basketball. Basketball skills and conditioning are emphasized. Practice consists of both mental and physical training.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: This is an intercollegiate, advanced level basketball course designed for students to compete, and therefore, prior experience at the high school or club level is highly recommended.

KIN 088 - Intercollegiate Softball

3.0 Units

This course is designed to allow the student the opportunity to further their softball skills at a competitive, intercollegiate level.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: This is an Intercollegiate Athletics Softball class for the competitive athlete. It is advised that students have prior high school or club experience playing softball.

KIN 089 - Intercollegiate Tennis - Women

3.0 Units

This course is designed for female students interested in intercollegiate tennis competition. Practice consists of both mental and physical training.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 094

KIN 090 - Intercollegiate Baseball

3.0 Units

This course is intercollegiate baseball competition for men. This course is designed to allow the student the opportunity to further their baseball skills at a competitive, intercollegiate level.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: This is an intercollegiate, competitive baseball class. It is strongly recommended that athletes have prior experience playing and competing at the high school or intercollegiate level.

KIN 092 - Intercollegiate Tennis-Men

3.0 Units

This course is designed for male students interested in competing for an intercollegiate tennis team.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: KIN 094

KIN 093 - Softball - Intercollegiate Training

2.0 Units

This course provides the student with the opportunity to master the specific individual skills, team techniques, rules, history and strategies of softball.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: To compete at the intercollegiate level high school or travel softball experience for safety and student success reasons is advised.

KIN 094 - Tennis - Intercollegiate Training

2.0 Units

This course is designed to develop a highly conditioned body for strength, flexibility, and endurance for the competing varsity tennis player.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: This course is designed for the Tennis player to improve conditioning, and overall performance in preparation for the Intercollegiate tennis season.

KIN 095 - Soccer - Intercollegiate Training

2.0 Units

This course is designed to enhance the skills and abilities of students involved competitively in the game of soccer. Extensive soccer conditioning is stressed including strength training and speed conditioning. Skill development is covered in class.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 019B

KIN 096 - Basketball - Intercollegiate Training

2.0 Units

This class is designed for experienced basketball players who wish to learn advanced strategies of the game. Techniques such as full court press, press breakers, fast break, defensive schemes, and player to player and zone offenses are covered.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 015C

KIN 097 - Baseball - Intercollegiate Training

2.0 Units

This course is designed for students with previous baseball experience, who have aspirations of playing intercollegiate baseball. The history, rules, intermediate techniques and strategies, as well as conditioning for baseball are addressed. Intercollegiate Baseball requires playing the sport at a high level, and therefore, it is advised that students have prior high school or competitive baseball experience.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: High school varsity or college baseball experience.

KIN 098 - Badminton - Intercollegiate Training

2.0 Units

This course introduces the student to the more advanced skills and strategies of the game of badminton. The main emphasis of this course is on drills, finesse shots, shot placement, court position, and singles and doubles strategy.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: KIN 085

KIN 099 - Athletic Training

1.0 Units

This course is designed to develop a highly conditioned body for strength, flexibility, and endurance for the competing varsity athlete.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: It is recommended that students have some previous experience with the activity prior to enrollment.

Learning Services (LSR)

LSR 001A - Writing for LSR Students in English 001A

3.0 Units

This course is for students with disabilities taking English 001A. The course provides disability-specific instruction and practice in writing coherent paragraphs and essays. It focuses on the writing process and college-level, essay development using multi-sensory techniques and disability-specific pedagogy. (credit course - not degree applicable)

Transferability and General Education

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Corequisite: ENG 001A or ENG 001AX

LSR 010 - Learning Services Statistics Support

3.0 Units

This course is for students with disabilities or learning challenges who are taking MATH10. This course will provide disability-specific strategies to aid in the successful completion of Statistics. This course is to be taken in conjunction with MAT 010. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Corequisite: MAT 010 or MAT 010H or MAT 010X

LSR 900 - Strategies for Basic Skills Math

3.0 Units

This course is an introduction to basic skills math to assist in the completion of certificated programs. (credit course - not degree applicable)

Grade Options

Letter Grade

Pass/No Pass

LSR 940A - Learning Strategies for Basic Writing Skills

3.0 Units

This course is the first part of a two-part learning sequence for effective college writing. The course focuses on sentence development, effective paragraphs, and grammar using multi-sensory techniques. (credit course - not degree applicable)

Grade Options

Letter Grade



LSR 940B - Learning Strategies for Basic Writing Skills

3.0 Units

This course is the second part of a two-part learning sequence for effective college writing. The course focuses on college-level, essay development using multi-sensory techniques and other writing strategies. (credit course - not degree applicable)

Grade Options

Letter Grade

Course Advisory and Requisites

Corequisite: ENG 001A or ENG 001AX

LSR 941 - Learning Strategies for College Success

3.0 Units

This is an introductory hybrid course designed to accommodate the educational needs of students with disabilities. It stresses the practical application of learning strategies. Topics include auditory, visual, kinesthetic, and memory processing. The practical application of strategies within each modality is examined. (credit course - not degree applicable)

Grade Options

Letter Grade

Pass/No Pass

LSR 942A - Learning Services Math Strategies

3.0 Units

This is the first course in a three-part sequence. It is an introduction to mathematical strategies for students with disabilities who have had difficulty mastering the basic concepts of fractions, variables, and simple equations. Students are introduced to techniques that focus on developing compensatory strategies for visual processing, short-term memory, long-term memory, and auditory processing disabilities. Manipulative modules, supportive devices, computer software, web sites, as well as drill and practice exercises are stressed in order to assist in the understanding and mastery of these basic concepts. (credit course - not degree applicable)

Grade Options

Letter Grade

Pass/No Pass

LSR 942B - Learning Services Math Strategies

3.0 Units

This course is the second of a two-course sequence covering mathematical strategies for students with disabilities who have had difficulty mastering the basic concepts of decimals, ratios/proportions, percents, and other pre-algebraic concepts. Students are introduced to techniques that focus on developing compensatory strategies for visual processing, short-term memory, long-term memory, and auditory processing disabilities. Manipulative modules, supportive devices, computer software, websites, as well as drill and practice exercises are stressed in order to assist in the understanding and mastery of these basic concepts. (credit course - not degree applicable)

Grade Options

Letter Grade

Pass/No Pass

LSR 942C - Learning Services Math Strategies

3.0 Units

This is the third class of a three-course learning sequence covering mathematical strategies for students with disabilities or students who have difficulty mastering pre-algebraic, algebraic and statistical concepts. Students are introduced to techniques that focus on developing compensatory strategies for visual processing, short-term memory, long-term memory, and auditory processing disabilities. Manipulative modules, supportive devices, computer software, websites, as well as drill and practice exercises are stressed in order to assist in the understanding and mastery of these basic concepts.

Grade Options

Pass/No Pass

Letter Grade

LSR 942C - Learning Services Math Strategies

3.0 Units

This is the third class of a three-course learning sequence covering mathematical strategies for students with disabilities or students who have difficulty mastering pre-algebraic, algebraic and statistical concepts. Students are introduced to techniques that focus on developing compensatory strategies for visual processing, short-term memory, long-term memory, and auditory processing disabilities. Manipulative modules, supportive devices, computer software, websites, as well as drill and practice exercises are stressed in order to assist in the understanding and mastery of these basic concepts. (credit course - not degree applicable)

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Corequisite: MAT 010 or MAT 010H or MAT 010X

LSR 943 - Negotiating the College Web and Assistive Technology Environment

3.0 Units

This class is designed to introduce students with perceptual, physical, communication, or learning challenges to concepts and terminology relevant to navigating the course management system and using assistive technology suited to their specific challenges. Students who successfully complete the objectives of this course will possess basic skills necessary for negotiating the college course management system, and obtain functional knowledge of keyboarding and assistive technology options. (credit course - not degree applicable)

Grade Options

Letter Grade

Pass/No Pass

LSR 950 - Assistive Technology Lab

1.0 Units

The course is designed to give students with varied physical abilities and challenges an opportunity to practice basic skills and strategy techniques presented in special or mainstream classes. Emphasis will be on using assistive technology, software programs in the areas of reading, spelling, writing, mathematics and cognitive memory to overcome or compensate for the students' areas of weakness. (credit course - not degree applicable)

Grade Options

Letter Grade

Pass/No Pass

LSR 952 - Distance Learning Success

3.0 Units

This is an online, hybrid course designed to help students learn strategies and tools to help build success in a distance learning environment. The course will cover essential learning disability tools, tips, and tricks to help all learners be successful in an online environment. (credit course - not degree applicable)

Grade Options

Pass/No Pass

Letter Grade

Linguistics (LNG)

LIN 001 Introduction to Language and Linguistics

3.0 Units

This introductory course serves as a foundation for understanding language from an anthropological perspective, addressing such core questions as how, what, when, where, why and with whom we communicate. This course surveys three core areas in linguistic anthropology--structural linguistics: phonetics, phonology, morphology, and syntax, as well as the biocultural basis of language; historical linguistics: origins and evolution/change, dialects, and language families; and sociocultural linguistics: language acquisition in cultural context, emphasizing the relationship between language and culture, and issues of language conservation and loss.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

• Area 3B - Humanities

Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

• Area C2 - Humanities

Area D - Social Sciences

AA/AS General Education Requirements

• A-3 - Arts & Humanities

A-4 - Social & Behavioral Sciences

C-ID Course and Title

ANTH 130 Introduction to Linguistic Anthropology

Mathematics (MAT)

MAT 000C - Intermediate Algebra

5.0 Units

Course topics include linear systems and inequalities, absolute value equations and inequalities, rational exponents, radicals, complex numbers, quadratic equations, graphical representations, functions and inverses, logarithmic and exponential functions, conic sections, sequences and series, and applied problems.

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: Completion of the Mission College Placement Process prior to registration.

MAT 000D - Trigonometry

3.0 Units

Course topics include trigonometric functions, including applications to triangles, circular functions, radian measure, graphs, polar coordinates, trigonometric identities, inverse trigonometric functions, vectors, and complex numbers.

Transferability and General Education

Transferable to CSU only

California State University General Education-Breadth (CSU GE-B)

• Area B4 - Mathematics/Quantitative Reasoning

AA/AS General Education Requirements

• A-2 - Mathematical Concepts & Quantitative Reasoning

C-ID Course and Title

MATH 851 Trigonometry

MATH 955 Precalculus and Trigonometry (when taken with MAT001)

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: Completion of the Mission College Placement Process prior to registration.

MAT 000G - Mathematics for the Liberal Arts Student

4.0 Units

Prerequisite: Completion of the Mission College Placement Process prior to registration This course fulfills the graduation competency requirement for Associate degree and the general education requirement in mathematics for the CSU system. It introduces critical thinking techniques in areas of mathematics that include, but not limited to sequences and series, probability and statistics, countable and uncountable sets, cryptography and number theory, history of mathematics, mathematics in art and nature, the Pythagorean Theorem, and methods of proof, and game theory. There is an emphasis on general problem solving techniques as the class explores mathematics that may will be unfamiliar to most students, and communicate mathematics through class activities and write-ups.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

• Area 2 - Mathematical Concepts and Quantitative Reasoning

California State University General Education-Breadth (CSU GE-B)

• Area B4 - Mathematics/Quantitative Reasoning

AA/AS General Education Requirements

• A-2 - Mathematical Concepts & Quantitative Reasoning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: Completion of the Mission College Placement Process prior to registration.

MAT 001 - College Algebra

4.0 Units

Prerequisite: Completion of the Mission College Placement Process prior to registration This is a college-level course in preparation for the Calculus sequence. Its contents include real and complex number systems, polynomials, algebraic fractions, exponents and radicals, linear and quadratic equations, simultaneous equations, inequalities, functions, theory of equations, exponential and logarithmic equations, sequence and series, induction and the binomial theorem.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning California State University General Education-Breadth (CSU GE-B)
- Area B4 - Mathematics/Quantitative Reasoning AA/AS General Education Requirements
- A-2 - Mathematical Concepts & Quantitative Reasoning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: Completion of the Mission College Placement Process prior to registration.

MAT 001X - College Algebra with Additional Support

6.0 Units

This is a college-level course in preparation for the Calculus sequence. Its contents include real and complex number systems, polynomials, algebraic fractions, exponents and radicals, linear and quadratic equations, simultaneous equations, inequalities, functions, theory of equations, exponential and logarithmic equations, sequence and series, induction, and the binomial theorem. Areas of support will include review algebraic and basic geometric topics that underlie College Algebra concepts and practice reading skills and other study skills that promote success in College Algebra.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning California State University General Education-Breadth (CSU GE-B)
- Area B4 - Mathematics/Quantitative Reasoning AA/AS General Education Requirements
- A-2 - Mathematical Concepts & Quantitative Reasoning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: Completion of the Mission College Placement Process prior to registration.



MAT 002 - Pre-Calculus Algebra and Trigonometry

6.0 Units

Prerequisite: Completion of the Mission College Placement Process prior to registration This is an intensive course covering those topics traditionally found in the separate courses of college algebra (MATH 001) and trigonometry (MATH 000D). This course is designed for the highly motivated and very well- prepared student who desires to fulfill the requirements of MATH 000D and MATH 001 in one semester. It prepares the student for the Calculus 003A/B sequence.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning California State University General Education-Breadth (CSU GE-B)
- Area B4 - Mathematics/Quantitative Reasoning AA/AS General Education Requirements
- A-2 - Mathematical Concepts & Quantitative Reasoning

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: Completion of the Mission College Placement Process prior to registration.

MAT 003A - Analytic Geometry and Calculus I

5.0 Units

This is the first part of the three-semester calculus sequence for math, physics and engineering majors. Course topics include functions, limits, continuity, differentiation and integration, maxima, minima, and other applications, and the relationship between calculus and analytic geometry for polynomial and transcendental functions.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning California State University General Education-Breadth (CSU GE-B)
- Area B4 - Mathematics/Quantitative Reasoning AA/AS General Education Requirements
- A-2 - Mathematical Concepts & Quantitative Reasoning C-ID Course and Title

MATH 210 Single Variable Calculus I Early Transcendentals

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisites: (MAT 001 and MAT 000D) or MAT 002 or completion of the Mission College Placement Process prior to registration.

MAT 003AH - Analytic Geometry and Calculus I - Honors

5.0 Units

This course is the honors version of the Calculus I course and is the first part of the three-semester calculus sequence for math, physics and engineering majors. Course topics include functions, limits, continuity, differentiation and integration, maxima, minima, and other applications, and the relationship between calculus and analytic geometry for polynomial and transcendental functions. Students may not receive credit for both MAT 003A and MAT 003AH. Enrollment in the Honors Transfer Project is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning California State University General Education-Breadth (CSU GE-B)
- Area B4 - Mathematics/Quantitative Reasoning AA/AS General Education Requirements
- A-2 - Mathematical Concepts & Quantitative Reasoning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisites: (MAT 001 and MAT 000D) or MAT 002 or completion of the Mission College Placement Process prior to registration.

MAT 003B - Analytic Geometry and Calculus II

5.0 Units

This course is the second part of the three-semester calculus sequence for math, physics and engineering majors. Students study and demonstrate knowledge and understanding of infinite series, vectors in the plane, parametric equations, conic sections, polar coordinates, integration techniques including inverse trigonometric and hyperbolic functions, and applications to area, volume and work.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning California State University General Education-Breadth (CSU GE-B)
- Area B4 - Mathematics/Quantitative Reasoning AA/AS General Education Requirements
- A-2 - Mathematical Concepts & Quantitative Reasoning C-ID Course and Title

MATH 220 Single Variable Calculus II Early Transcendentals

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisites: MAT 003A or MAT 003AH

MAT 004A - Multivariable Calculus

5.0 Units

This course is the third part of the three-semester calculus sequence for math, physics, and engineering majors. Students study and demonstrate knowledge and understanding of vectors in two-and three-dimensional space, vector-valued functions, calculus of functions for several variables, differentials, gradients, Lagrange Multipliers, multiple integrals, line integrals, and an introduction to Green's Theorem, Divergence Theorem, and Stokes' Theorem. C-ID MATH 230

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning California State University General Education-Breadth (CSU GE-B)
- Area B4 - Mathematics/Quantitative Reasoning AA/AS General Education Requirements
- A-2 - Mathematical Concepts & Quantitative Reasoning C-ID Course and Title

MATH 230 Multivariable Calculus

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: MAT 003B

MAT 004B - Differential Equations

4.0 Units

The student studies and demonstrates knowledge and understanding of ordinary differential equations, with emphasis on linear equations, and partial differential equations. Many standard methods are examined including Laplace Transforms, Fourier Series, power series and numerical solutions. Emphasis is placed on applications.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning California State University General Education-Breadth (CSU GE-B)
- Area B4 - Mathematics/Quantitative Reasoning AA/AS General Education Requirements
- A-2 - Mathematical Concepts & Quantitative Reasoning C-ID Course and Title

MATH 240 Ordinary Differential Equations

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: MAT 003B

MAT 004C - Linear Algebra

4.0 Units

The student studies and demonstrates knowledge and understanding of basic linear algebra and its applications. Topics include systems of linear equations and Gaussian elimination, determinants, matrices, vector spaces, transformations, eigenvalues and eigenvectors.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning California State University General Education-Breadth (CSU GE-B)
- Area B4 - Mathematics/Quantitative Reasoning AA/AS General Education Requirements
- A-2 - Mathematical Concepts & Quantitative Reasoning C-ID Course and Title

MATH 250 Introduction to Linear Algebra

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: MAT 003B

Advisory: MAT 004A



MAT 005 - Programming and Problem-Solving in MATLAB

3.0 Units

This course utilizes the MATLAB environment to provide students with a working knowledge of computer-based problem-solving methods relevant to mathematics, science and engineering. Topics include procedural and object-oriented programming, two- and three-dimensional graphing, data import and export, curve fitting, recursion and applications in engineering, physics, and mathematics.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-2 - Mathematical Concepts & Quantitative Reasoning
- C-ID Course and Title

ENGR 220 Programming and Problem-Solving in MATLAB

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: MAT 003A or MAT 003AH or higher

MAT 010 - Elementary Statistics

4.0 Units

Students study and demonstrate knowledge and understanding of descriptive and inferential statistics including data analysis, correlation and linear regression, probability, probability distributions and assorted hypothesis testing. Particular emphasis is placed on applications. Current statistical computer packages are used.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning
- California State University General Education-Breadth (CSU GE-B)
- Area B4 - Mathematics/Quantitative Reasoning
- AA/AS General Education Requirements
- A-2 - Mathematical Concepts & Quantitative Reasoning
- C-ID Course and Title

MATH 110 Introduction to Statistics

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: Completion of the Mission College Placement Process prior to registration.



MAT 010H - Elementary Statistics - Honors

4.0 Units

This course is the honors version of the Elementary Statistics course. The course provides students with a comprehensive introduction to statistical methods and research. Topics include descriptive and inferential statistics, correlation and linear regression, probability, probability distributions and assorted hypothesis testing. Particular emphasis is placed on applications and data analysis. Current statistical computer packages are used. Students may not receive credit for both MATH 010 and MATH 010H. Enrollment in the Honors Transfer Project is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning
- California State University General Education-Breadth (CSU GE-B)
- Area B4 - Mathematics/Quantitative Reasoning
- AA/AS General Education Requirements
- A-2 - Mathematical Concepts & Quantitative Reasoning
- C-ID Course and Title

MATH 110 Introduction to Statistics

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: Completion of the Mission College Placement Process prior to registration.

MAT 010X - Elementary Statistics with Additional Support

6.0 Units

Students study and demonstrate knowledge and understanding of descriptive and inferential statistics including data analysis, correlation and linear regression, probability, probability distributions and assorted hypothesis testing. Particular emphasis is placed on applications. Current technology is used. Areas of support will include review of arithmetic and algebra topics that underlie statistical procedures and concepts, hands-on activities that promote a deeper understanding of statistical ideas, and study skills that promote success in statistics.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning
- California State University General Education-Breadth (CSU GE-B)
- Area B4 - Mathematics/Quantitative Reasoning
- AA/AS General Education Requirements
- A-2 - Mathematical Concepts & Quantitative Reasoning
- C-ID Course and Title

MATH 110 Introduction to Statistics

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: Completion of the Mission College Placement Process prior to registration.

MAT 012 - Calculus for Business

4.0 Units

Course topics include the intuitive concept of a limit, and simple techniques of differential and integral calculus and their most common applications in business. This course is not equivalent to MATH 003A.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning
California State University General Education-Breadth (CSU GE-B)

- Area B4 - Mathematics/Quantitative Reasoning

AA/AS General Education Requirements

- A-2 - Mathematical Concepts & Quantitative Reasoning

C-ID Course and Title

MATH 140 Business Calculus

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: Completion of the Mission College Placement Process prior to registration.

MAT 019 - Discrete Mathematics

4.0 Units

The student studies and demonstrates knowledge and understanding of the discrete mathematics appropriate for computer applications. Topics may include graphs, sets, logic, mathematical induction, functions and relations, sequences and series, matrices, combinatorics, Boolean algebra and algebraic structures such as groups, rings and fields. Computer implementations of these mathematical techniques are incorporated throughout the course.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning
California State University General Education-Breadth (CSU GE-B)

- Area B4 - Mathematics/Quantitative Reasoning

AA/AS General Education Requirements

- A-2 - Mathematical Concepts & Quantitative Reasoning

C-ID Course and Title

MATH 160 Discrete Math

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: MAT 001 or MAT 002

Mechatronic Technology (MTT)

MTT 010 - Introduction to Technology and Careers

2.0 Units

This course exposes students to the field of mechatronics and control system disciplines. The course presents basic skills necessary to succeed as mechatronics student. The nature of control system in different process industries and the role of mechatronics technicians are explored. Communication skills for reports are developed. Guest speakers from local process firms and tours to local companies are included.

Grade Options

Letter Grade

Pass/No Pass

MTT 012 - Electronic Systems Measurement and Troubleshooting

2.0 Units

This course covers the measurement and characterization of electronic systems, data collection, and reporting results in industry-accepted formats. System and component performance are compared to published specifications and troubleshooting techniques are developed. Laboratory practice includes the proper use of standard test instruments.

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: MTT 010

MTT 020 - Programmable Logic Controller (PLC) Process Control Systems

2.0 Units

This course covers Programmable Logic Controller (PLC) systems, function, interrelationship, and troubleshooting of systems components. PLC input/output systems and requirements are also discussed. Ladder logic programming is studied using basic I/O instructions, logic instructions, timers, counters, and comparison functions. Students will also develop an understanding of Piping/Process and Instrumentation Diagrams (P&ID).

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: MTT 010 and MTT 042

MTT 022 - Programmable Logic Controller (PLC) and Robotic System Components

2.0 Units

This course explores the integration of sensors, indicators, controllers, and final control elements for Programmable Logic Controller (PLC) and robotic systems. Closed loop control theory, Process/Piping and Instrumentation Diagram (P&ID), loop tuning, and control loop troubleshooting are also covered. Students will also learn process control system design and Proportional-Integral-Derivative (PID) tuning.

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: MTT 020

MTT 030 - Electrical Motors and Control Systems

2.0 Units

This course covers electrical motors and controls for commercial and industrial applications. Motor types include: Direct Current (DC), stepper, single-phase and three-phase Alternating Current (AC) motors, including Variable-Frequency Drives (VFD). Students will also develop motor theory knowledge through hands-on applications.

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: MTT 020 and MTT 040

MTT 032 - Microcontroller Systems

2.0 Units

This course explores single-chip microcontroller architecture. Students will apply their skills by programming microcontrollers and hone their troubleshooting skills on single-chip microcontroller electronic systems. Digital building blocks, number systems, and programming in high-level and assembly language is also covered. Students will also learn about interfacing the microcontroller for practical applications, measurement techniques, and instrumentation.

Grade Options

Letter Grade
Pass/No Pass

MTT 034 - Fluid Power Systems

2.0 Units

Introduces fluid power systems used in industry. The advantages and disadvantages of fluid power compared to other power transmission systems are examined. The potential dangers are explored and the safety procedures related to fluid power are reviewed and implemented. The application of principles of fluid power transmission and the formulas used in fluid power system analysis and design are experienced in the lab. The fundamental principles, components, symbols and applications of hydraulic and pneumatic fluid power applications are introduced. Basic power and control circuits are developed using computer aided design. The characteristics and dangers of using air as a fluid power force are explored. Pneumatic system components are studied including: compressors, linear actuators, rotary actuators and pneumatic tubing. The relationship between electrical signals and pneumatic controls for process industry. Hands-on activities using various pneumatic components are assembled in the lab.

Grade Options

Letter Grade
Pass/No Pass

Course Advisory and Requisites

Advisory: MTT 010

MTT 040 - Analog Circuits and Semiconductor Devices

2.0 Units

This course covers analog circuits, including: amplifiers, oscillators, and filters, using single-chip analog devices, operational amplifiers, field-effect transistors, bipolar transistors.

Grade Options

Letter Grade
Pass/No Pass

Course Advisory and Requisites

Advisory: MTT 012

MTT 042 - Digital Logic Systems

2.0 Units

This course explores the architecture, programming, application, and troubleshooting of complex programmable logic device (CPLD) electronic systems. CPLDs will be programmed in VHDL (VHSIC-HDL, Very High Speed Integrated Circuit Hardware Description Language). Fundamentals in number systems and Boolean Algebra are studied while combinational and sequential logic are used to design digital systems. The course also covers integrated logic families, digital circuit measurement techniques and instrumentation, and allows students to develop troubleshooting techniques.

Grade Options

Letter Grade
Pass/No Pass

Course Advisory and Requisites

Advisory: MTT 032

MTT 050 - Digital Manufacturing

2.0 Units

Introduction to manufacturing with two-dimensional and three-dimensional digital layout input. Creating designs using standard Two-Dimensional (2D) and Three-Dimensional (3D) design software, e.g. AutoCAD and SolidWorks, and 3D scanner. Optimization of project design for construction on 3D printers. Examination of materials available for 3D printing.

Grade Options

Letter Grade
Pass/No Pass

Course Advisory and Requisites

Advisory: EGR 025

Music (MUS)

MUS 005 - Fundamentals of Music Theory

3.0 Units

This course is an introduction to the fundamentals of music theory. Students will learn the basics of music notation, rhythm and meter, scales, intervals, chords and harmony, music analysis, melodic composition, songwriting, and techniques for listening to music. This introductory course is intended for all students.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts
California State University General Education-Breadth (CSU GE-B)
- Area C1 - Arts
AA/AS General Education Requirements.
- A-3 - Arts & Humanities

Grade Options

Letter Grade
Pass/No Pass

MUS 006 - Commercial Music Theory I

3.0 Units

Commercial Music Theory I is an intermediate level course in music theory, commercial music composition, arranging, and songwriting. Students will review elements of basic music theory as it pertains to a wide variety popular music genres, including rock, pop, jazz, music for visual media, music for business and advertising applications.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts
Intersegmental General Education Transfer Curriculum (IGETC)
- Area 3A - Arts
AA/AS General Education Requirements.
- A-3 - Arts & Humanities

Grade Options

Pass/No Pass
Letter Grade

Course Advisory and Requisites

Advisory: MUS 005

MUS 007 - Commercial Music Theory II

3.0 Units

Commercial Music Theory II is an advanced-intermediate level course in music theory, commercial music composition, arranging, and songwriting. Students will review elements of music theory as it pertains to a wide variety popular music genres, music for visual media, and music for business and advertising applications.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts
- Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Letter Grade Methods

Pass/No Pass

MUS 009 - Jazz Music History

3.0 Units

This course examines the historical origins and development of jazz, as well as the important elements which comprise the individual styles of Jazz. The class will focus on the important musicians and literature of each era. Attention will also be brought to the social, political, and cultural elements of Jazz history.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

MUS 010 - Music Appreciation

3.0 Units

This is a basic introductory course for the student without previous training in music. Students develop an appreciation and enjoyment of music through active listening and guided discussion on related topics including: symphony movements, opera, tone poems, sonata form, and the classical concerto. Style periods are discussed including the Middle Ages, Pre-Baroque (to 1600); Baroque (1600-1750); Classical (1750-1825); Romantic (1825-1900); and Contemporary (1900-present).

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

C-ID Number and Title

- MUS 100 Music Appreciation

Grade Options

Pass/No Pass

Letter Grade

MUS 016 - Survey of Rock and Popular Music

3.0 Units

The course examines the history of Rock and Roll music, from its roots in Africa and 1950's America through Punk Rock. Principal study is of the music, its styles and performance practices, its musician-composers, and the important social and musical forces influencing the development of Rock. Course includes analytical listening to music, as well as guided discussion.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

MUS 017 - Music of the World

3.0 Units

The course is a multimedia, multicultural humanities course which introduces students to music from a world music perspective. Course content is centered on videos, a supplemental textbook, and an extensive collection of recorded examples. Topics include the transformative power of music, music and memory, musical style, musical performance and improvisation, music as ritual, and music technology.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3A - Arts

California State University General Education-Breadth (CSU GE-B)

- Area C1 - Arts

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade



MUS 030A - Beginning Piano I

1.0 Units

This course is for students with no previous training in piano. Topics include note reading, rhythmic notation, interpretive symbols, proper posture, hand position and fingering. The course also covers a brief history of the piano and piano music, including famous composers and performers. Students learn to perform simple piano pieces. Students who are taking the course online will need access to a piano keyboard (acoustic or electronic) that is suitable for piano performance. A piano practice room is available for students during times when the campus is open.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Letter Grade

Pass/No Pass

MUS 030B - Beginning Piano II

1.0 Units

This course is for students with some previous training in piano. Topics include note reading, rhythmic notation, interpretive symbols, proper posture, hand position and fingering. The course also covers a brief history of the piano and piano music, including famous composers and performers. Students learn to perform simple piano pieces. Students who are taking the course online will need access to a piano keyboard (acoustic or electronic) that is suitable for piano performance. A piano practice room is available for students during times when the campus is open.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: MUS 030A

MUS 031A - Intermediate Piano I

1.0 Units

A continuation of MUS 30B. Designed for those who wish to improve their keyboard skills through a continued study of pianistic technique, interpretation, and style in the works of various composers from different musical periods as well as the continued study of the history of the piano and piano music, including famous composers and performers of piano music. Students who are taking the course online will need access to a piano keyboard (acoustic or electronic) that is suitable for piano performance. A piano practice room is available for students during times when the campus is open.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: MUS 030B

MUS 031B - Intermediate Piano II

1.0 Units

This course is a continuation of MUS 31A. It is designed for those who wish to improve their keyboard skills through a continued study of pianistic technique, interpretation, and style in the works of various composers from different musical periods, as well as the continued study of the history of the piano and piano music, including famous composers and performers of piano music. Students who are taking the course online will need access to a piano keyboard (acoustic or electronic) that is suitable for piano performance. A piano practice room is available for students during times when the campus is open.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: MUS 031A

MUS 031C - Intermediate Piano III

1.0 Units

This course is a continuation of MUS 031B. It is designed for those who wish to improve their keyboard skills through a continued study of pianistic technique, interpretation, and style in the works of various composers from different musical periods, as well as the continued study of the history of the piano and piano music, including famous composers and performers of piano music. Students who are taking the course online will need access to a piano keyboard (acoustic or electronic) that is suitable for piano performance. A piano practice room is available for students during times when the campus is open.

Transferability and General Education

Transferable to CSU only

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: MUS 031B

MUS 032A - Beginning Voice I

1.0 Units

A course for developing the singing voice and vocal presentation. Elements of vocal production are studied, including tone placement, correct breathing, vocal production, and good diction. The student also learns how to "perform" vocal music, as well as the important psychological aspects of singing, such as the building of vocal confidence and the lessening of vocal anxiety. A song repertory is studied that represents a variety of musical and cultural styles, and practice is provided with both live piano and recorded taped accompaniment.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Letter Grade

Pass/No Pass

MUS 032B - Beginning Voice II

1.0 Units

This is a Beginning II level course for developing the singing voice and vocal presentation. Elements of vocal production are studied, including tone placement, correct breathing, vocal production, and good diction. The student also learns how to "perform" vocal music, as well as the important psychological aspects of singing, such as the building of vocal confidence and the lessening of vocal anxiety. A song repertory is studied that represents a variety of musical and cultural styles, and practice is provided with both live piano and recorded taped accompaniment.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: MUS 032A

MUS 033A - Intermediate Voice I

1.0 Units

This course is a continuation of MUS 32B. Students will develop the singing voice and vocal presentation. Elements of vocal production are studied, including tone placement, correct breathing, vocal production, and good diction. The student also learns how to "perform" vocal music, as well as the important psychological aspects of singing, such as the building of vocal confidence and the lessening of vocal anxiety. A song repertory is studied that represents a variety of musical and cultural styles, and practice is provided with both live piano and recorded taped accompaniment.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: MUS 032B

MUS 033B - Intermediate Voice II

1.0 Units

This course is a continuation of MUS 033A. Students will further develop their singing voice, vocal presentation, and repertoire.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: MUS 033A

MUS 036A - Beginning Guitar I

1.0 Units

This is a beginning-level guitar course. Students learn about the guitar, how to string and tune a guitar, and basic chords and strumming patterns. Emphasis will be on learning popular songs and folk music. Basic music theory and music notation are also introduced. Students must supply their own playable guitar - acoustic steel string, classical nylon string or electric guitars are welcome.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Letter Grade

Pass/No Pass

MUS 036B - Beginning Guitar II

1.0 Units

This beginning-intermediate level course is for students who have successfully completed MUS 036A. Emphasis is on expanding their chordal repertoire to include seventh chords, reading traditional music notation and guitar tablature, and an introduction to the guitar pick. Students must supply their own playable guitar - acoustic steel string, classical nylon string, or electric guitars are welcome.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: MUS 036A

MUS 036C - Intermediate Guitar I

1.0 Units

This intermediate level course is for students who have successfully completed MUS 036B. Students will learn intermediate level guitar techniques including barre chords, playing scales, and an introduction to fingerstyle guitar. Students also learn how to perform in a variety of musical styles including popular, country, folk, and the blues. Students must supply their own playable guitar - acoustic steel string, classical nylon string or electric guitars are welcome.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: MUS 036B

MUS 036D - Intermediate Guitar II

1.0 Units

This is an advanced-intermediate course in guitar for students who have successfully completed MUS 036C. Emphasis is on music reading, playing in advanced-intermediate positions, scales, chords, major and minor keys. The student studies the history of the guitar and guitar music, including famous composers and composers of guitar music. Advanced-intermediate pieces are learned from various stylistic periods and cultures, and skills in

critical thinking are developed as related to guitar performance. Students must supply their own playable guitar - acoustic steel string, classical nylon string or electric guitars are welcome.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: MUS 036C

MUS 039A - Advanced Piano Masterclass I

1.0 Units

This course is a survey of advanced music for the piano and other keyboard instruments from the Baroque Period to 20th Century musical styles. Assignments include preparation and performances of different piano repertoire each semester. Students participate in discussions and projects related to standard piano repertoire, literature and appropriate performance practices. Students are assigned new musical works each semester from the vast amount of piano repertoire that is available allowing the student to continue development of his/her technical abilities. Students who are taking the course online will need access to a piano keyboard (acoustic or electronic) that is suitable for piano performance. A piano practice room is available for students during times when the campus is open.

Transferability and General Education

Transferable to both UC and CSU

C-ID Number and Title

- MUS 180 Major Ensemble

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: MUS 031A

MUS 039B - Advanced Piano Masterclass II

1.0 Units

This course is designed for advanced piano students previously enrolled in MUS 039A. MUS 039B is a survey of advanced music for the piano and other keyboard instruments that focuses on solo piano repertoire. Assignments include preparation and performances of different piano repertoire each semester. Students participate in discussions and projects related to solo piano repertoire, literature and appropriate performance practices. Students are assigned new musical works each semester from the vast amount of piano repertoire that is available allowing the student to continue development of his/her technical abilities. Students who are taking the course online will need access to a piano keyboard (acoustic or electronic) that is suitable for piano performance. A piano practice room is available for students during times when the campus is open.

Transferability and General Education

Transferable to both UC and CSU

C-ID Number and Title

- MUS 180 Major Ensemble

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: MUS 039A

MUS 039C - Advanced Piano Masterclass III

1.0 Units

This course is a survey of advanced music for the piano with emphasis on chamber ensembles. Assignments include preparation and performances of different piano repertoire each semester. Discussions and projects are related to piano chamber repertoire, literature and appropriate performance practices. Students participate in a live chamber music performance. Students who are taking the course online will need access to a piano keyboard (acoustic or electronic) that is suitable for piano performance. A piano practice room is available for students during times when the campus is open.

Transferability and General Education

Transferable to both UC and CSU

C-ID Number and Title

- MUS 180 Major Ensemble

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: MUS 039B

MUS 039D - Advanced Piano Masterclass IV

1.0 Units

This is a piano performance course for advanced piano students. Emphasis is placed on developing repertoire and performance skills to prepare for a final piano concerto performance. Assignments include preparation and performances of different piano repertoire, discussions and projects related to standard piano repertoire, literature and appropriate performance practices. Students also study piano pedagogy. Students who are taking the course online will need access to a piano keyboard (acoustic or electronic) that is suitable for piano performance. A piano practice room is available for students during times when the campus is open.

Transferability and General Education

Transferable to both UC and CSU

C-ID Number and Title

- MUS 180 Major Ensemble

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: MUS 039C



MUS 041A - Mission Chorus I

1.0 Units

Mission Chorus is an ensemble of mixed voices that performs a wide variety of choral repertoire from classical to contemporary styles. Students participate in public performances. Mission Chorus is open to those with and without previous experience in group singing. Placement auditions are held before the first day of class. Music reading may be covered as well as the basic elements of music.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities
- C-ID Number and Title
- MUS 180 Major Ensemble

Grade Options

Letter Grade

Pass/No Pass

MUS 041B - Mission Chorus II

1.0 Units

Mission Chorus II is an ensemble of mixed voices that performs a wide variety of choral repertoire from classical to contemporary styles. Students participate in public performances. Students who wish to enroll in MUS 041B must have previous experience in group singing at the beginning level. Placement auditions are held before the first day of class. Course activities include group singing, identification of diatonic intervals, and proper breath support.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities
- C-ID Number and Title
- MUS 180 Major Ensemble

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: MUS 041A

MUS 041C - Mission Chorus III

1.0 Units

Mission Chorus III is an ensemble of mixed voices that performs a wide variety of choral repertoire from classical to contemporary styles. Students participate in public performances. Students who wish to enroll in MUS 041C must have previous experience in group singing at the intermediate level. Placement auditions are held before the first day of class. Course activities will include group singing and the identification of chromatic intervals and dominant chords.

Transferability and General Education

Transferable to both UC and CSU

C-ID Number and Title

- MUS 180 Major Ensemble

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: MUS 041B

MUS 041D - Mission Chorus IV

1.0 Units

Mission Chorus IV is an ensemble of mixed voices that performs a wide variety of choral repertoire from classical to contemporary styles. Students participate in public performances. Students who wish to enroll in MUS 041D must have previous experience in group singing at the intermediate to advanced level. Placement auditions are held before the first day of class. Course activities will include group singing, identification of non-diatonic intervals and analysis and interpretation of advanced level choral music.

Transferability and General Education

Transferable to both UC and CSU

C-ID Number and Title

- MUS 180 Major Ensemble

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: MUS 041C

MUS 048A - Symphony Orchestra I

1.0 Units

This is a beginning level course for the study and performance of symphonic music and repertoire of all styles and periods. Emphasis is placed on group participation and public performance. Attendance at all scheduled performances required. New works of orchestral music are performed each semester. Students must provide their own instruments.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities
- C-ID Number and Title
- MUS 180 Major Ensemble

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: Students will audition for the instructor to demonstrate their instrumental skill level.



MUS 048B - Symphony Orchestra II

1.0 Units

This is an intermediate level course for the study and performance of symphonic music and repertoire of all styles and periods. Emphasis is placed on group participation and public performance. Attendance at all scheduled performances required. New works of orchestral music are performed each semester. Students must provide their own instrument.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements.

- A-3 - Arts & Humanities

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: MUS 048A

MUS 048C - Symphony Orchestra III

1.0 Units

This is an intermediate/advanced level course for the study and performance of symphonic music and repertoire of all styles and periods. Emphasis is placed on group participation and public performance. Attendance at all scheduled performances required. New works of orchestral music are performed each semester. Students must provide their own instrument.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: MUS 048B

MUS 048D - Symphony Orchestra IV

1.0 Units

This is an advanced course for the study and performance of symphonic music and repertoire of all styles and periods. Emphasis is placed on group participation and public performance. Attendance at all scheduled performances required. New works of orchestral music are performed each semester. Students must provide their own instrument.

Transferability and General Education

Transferable to both UC and CSU

C-ID Number and Title

- MUS 180 Major Ensemble

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: MUS 048C

MUS 050 - Mission Steelband

1.0 Units

This performance ensemble focuses on the study and performance of music from Trinidad, South America and the Caribbean musical tradition. Ensemble members learn how to play Caribbean steeldrums. Emphasis is placed on participation and public performance. Attendance at all scheduled performances is required. Prior experience with percussion/music is not required.

Transferability and General Education

Transferable to both UC and CSU

Grade Options

Pass/No Pass

Letter Grade

MUS 080 - MIDI and Music Production I

3.0 Units

This course is a practical introduction to the Musical Instrument Digital Interface (MIDI) music system and provides students the skills necessary to create their own music using a Digital Audio Workstation (DAW). Through a series of hands-on projects, students develop basic musicianship skills including: music theory, composition and arranging as they apply to popular music. Students also use the recording studio to complete a final project that incorporates the use of MIDI and audio tracks.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: MUS 005

MUS 081 - Audio Production I

3.0 Units

This course is a hands-on survey of audio recording techniques using digital music software and hardware. Specific subject areas include microphones, mic pre-amps, multi-track recording, vocal overdubs, and basic mixing. Students complete a series of projects designed to develop basic recording, editing and mixing skills.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: MUS 080

MUS 082 - MIDI and Music Production II

3.0 Units

This is an advanced level, music production course that provides students the skills necessary to create their own compositions for film, TV and video games using a Digital Audio Workstation (DAW) software. Through a series of hands-on projects students develop advanced composition skills including: score analysis, orchestration and original music composition as it applies to commercial music. Students also use the recording studio to complete a final project that combines an original MIDI music composition with video.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: MUS 080

Advisory: MUS 005

MUS 083 - Audio Production II

3.0 Units

This is an advanced audio recording, editing and mixing course using digital music software and hardware. Students learn how to produce voice-overs, sound effects, multi-track recordings to be used in film, television, radio, web applications and the music and gaming industries. Participation in at least one on-campus music event and a final portfolio of work is required.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: MUS 080

Noncredit English as a Second Language (NCE)

NCE 010 - English for Citizenship

0.0 Units

In this course, students develop the English speaking, listening, and literacy skills necessary to pass an oral and written U.S. citizenship exam. Topics include a general survey of U.S. history, government, and civics, including culture, institutions, and ideals. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE910A - Foundations in ESL I

0.0 Units

This noncredit course develops very basic level oral and written communication skills of standard English. This course provides basic functional practice in reading, writing, listening, speaking, and grammar for very low beginning level ESL students. Oral communication tasks involve the comprehension and production of basic verbal instructions and requests, communication strategies, monologs, dialogues, pronunciation patterns, and vocabulary usage. Written communication tasks include completion of grammar exercises and in-class writing assignments of 50 words or less. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Other

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 910B - Foundations in ESL II

0.0 Units

This course is a continuation of NCE 910A. This course continues to develop very low beginning students' skills in basic reading, writing, listening, speaking, and grammar. In 910B, students further develop the grammar of present tense and begin to learn present continuous and simple past. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 920A - Beginning ESL I

0.0 Units

This noncredit course provides basic functional practice in reading, writing, listening, speaking, and grammar for beginning ESL students. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 920B - Beginning ESL II

0.0 Units

This course is a continuation of NCE 920A. It builds on the topics learned in 920A, but also introduces more complex structures and provides more practice in reading, writing, listening, speaking, and grammar for beginning ESL students. It also provides preparation for placement in Level 930 ESL classes. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 920EC - NC ESL for Child Care: Intro

0.0 Units

This beginning level course develops oral and written communication skills in English within the context of child care and parenting. Students develop listening, speaking, reading and writing skills for communicating about a child's day-to-day care, needs, and interests.

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.



NCE 920GW - Beginning Grammar and Writing

0.0 Units

This course is for beginning-level ESL students with minimal knowledge of English grammar and writing conventions. The course is designed to provide an introduction to English grammar and opportunities to practice basic sentence-level writing skills. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 920PL - Beginning Pronunciation and Listening

0.0 Units

Beginning level students develop and practice basic aspects of American English pronunciation in order to speak more clearly, confidently, and accurately. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 924 - Beginning ESL College Skills

0.0 Units

This course is designed for beginning level ESL students who wish to improve their academic preparation and study skills for greater success in ESL courses. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 930EC - NC ESL for Child Care: Health and Safety

0.0 Units

This high-beginning level course develops oral and written communication skills in English within the context of child care and parenting. Students develop listening, speaking, reading and writing skills for communicating about a child's health and safety.

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 930FD - English for Food Preparation

0.0 Units

This high-beginning ESL course develops oral and written communication skills within the context of food preparation and kitchen safety. Students study and practice vocabulary for communicating about food preparation at work and at home. Students learn about American workplace culture and explore opportunities in food-related fields. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 931 - High Beginning Listening and Speaking

0.0 Units

This is the first course in a noncredit certificate program in High Beginning ESL. Students develop listening skills necessary for comprehension of vocabulary, sentences, and short lectures on academic and day-to-day topics. Students also develop pronunciation and speaking skills necessary for clearly expressing themselves. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 932 - High Beginning Grammar and Writing

0.0 Units

This is the second course in a noncredit certificate program in High Beginning ESL. Students develop basic writing and grammar skills of standard written English. Students also practice and write simple and compound sentences using correct word forms, word order, articles, prepositions, spelling, and punctuation within their written compositions. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 933 - High Beginning Reading and Vocabulary

0.0 Units

This is the third course in a noncredit certificate program in High Beginning ESL. In this course, students develop reading and vocabulary skills necessary for comprehension of simplified articles and stories in English. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 934 - Bridge to ESL College Success

0.0 Units

This is the fourth course in the series of noncredit courses that make up the certificate in High Beginning ESL. Students develop their English language skills as they acquire successful strategies for the credit-level ESL program and other academic college classes. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 940EC - NC ESL for Child Care: Ages and Stages

0.0 Units

This low-intermediate level course develops oral and written communication skills in English within the context of child care and parenting. Students develop listening, speaking, reading and writing skills for communicating with and about infants, toddlers, preschoolers, and school-age children.

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 940FD - English for Food Service

0.0 Units

This noncredit low-intermediate level ESL course develops oral and written communication skills in English within the context of food service industry. Students study and practice vocabulary for communicating about ordering and serving food. Students learn about American customer service culture and explore opportunities in food-related fields. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

Advisory: NCE 930FD

NCE 940LS - Low Intermediate Listening and Speaking

0.0 Units

This course continues the development of listening comprehension and speaking skills. Listening focuses on comprehension of oral instructions and questions, of high-frequency vocabulary in context, and of main ideas and details in conversations and lectures. Speaking focuses on the clear pronunciation of common words and phrases and continues the development of basic English pronunciation patterns of stress and intonation. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 940RW - Low Intermediate Reading and Writing

0.0 Units

This course develops students' reading, writing, grammar and vocabulary skills at the low-intermediate level. Students develop strategies to comprehend level-appropriate texts and write fluent and accurate simple and compound sentences as well as paragraphs. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 945GE - Intermediate Grammar and Editing

0.0 Units

In this intensive intermediate level ESL course students review and apply level-appropriate grammatical structures to develop sentence accuracy and fluency in standard written and spoken English. The course focuses on the understanding and practice of sentences in various tenses, varied placement of sentence elements, and error correction. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 950EC - ESL for Child Development: Introduction

0.0 Units

This intermediate course develops oral and written English language skills necessary to introduce young children, to objectively describe their actions, and to identify and reflect on individual children's needs and preferences. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

Advisory: NCE 940EC



NCE 950LS - Intermediate Listening and Speaking

0.0 Units

Intermediate level ESL students practice effective oral communication for a variety of social, academic, and professional situations. Students develop skills to express ideas effectively focusing on vocabulary, syntax and idioms. The course emphasis is on improving listening and speaking skills leading to oral fluency in one-on-one and small group situations. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 950RW - Intermediate Reading and Writing

0.0 Units

This course develops writing fluency and reading, grammar and vocabulary skills at the intermediate level. Students develop strategies to comprehend level-appropriate texts using fiction and nonfiction reading materials and increase their ability to write accurate compound and complex sentences and effective paragraphs on familiar and academic topics. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 955EC - ESL for Child Development: Factors

0.0 Units

This intermediate course develops oral and written English language skills to describe a child's development, appearance, and environment as well as to identify and reflect on factors that affect development. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

Advisory: NCE 950EC



NCE 960EC - ESL for Child Development: Domains I

0.0 Units

This high intermediate course develops oral and written English language skills necessary to identify, describe and support a child's socio-emotional and motor development. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Advisory: NCE 955EC

NCE 960LS - High Intermediate Listening and Speaking

0.0 Units

This high intermediate course continues to develop ESL students' oral communication skills in a variety of academic, business, and social contexts. Students increase their knowledge of vocabulary, idiomatic expressions, and communication strategies as well as improve their listening comprehension and note-taking skills. The course emphasis is on the development of oral fluency and the appropriate use of complex language functions in small and large group communication and presentations. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 960RW - High Intermediate Reading and Writing

0.0 Units

This course develops fluency in reading, writing, grammar and vocabulary skills for English language learners at the high-intermediate level. Students develop strategies to comprehend and analyze level-appropriate fiction and nonfiction texts and write developed, well-organized, and grammatically correct sentences and paragraphs on familiar and abstract topics. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 965EC - ESL for Child Development: Domains II

0.0 Units

This high intermediate course develops oral and written English language skills to identify, describe, and support children's cognitive and language development. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

Advisory: NCE 960EC

NCE 965GE - Advanced Grammar and Editing

0.0 Units

In this intensive advanced level ESL course students review and refine level-appropriate grammatical structures to develop sentence variety, and strengthen accuracy and fluency in academic English. The course focuses on the study and usage of complex sentences in various tenses, varied placement of sentence elements, and error correction. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 970LS - Advanced Listening and Speaking

0.0 Units

This advanced course focuses on developing oral proficiency needed to participate in academic discourse and cross-cultural communication by means of interviews, large group discussions, debates, and presentations. Students receive guidance and extensive practice in listening to academic lectures and multimedia recordings. Students increase their knowledge of various communication styles as well as effective note-taking strategies including recognizing organizational patterns and outlining main ideas. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 970RW - Advanced Reading and Writing

0.0 Units

This course develops reading, writing, vocabulary, grammar and editing skills for advanced English language learners. Students develop strategies to comprehend, analyze, and evaluate level-appropriate texts, and they read and write paragraphs and essays in a variety of rhetorical styles. Students gain skills for writing thesis statements and paragraphs with appropriate topic sentences, supporting ideas, and details. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Prerequisite: Completion of the Mission College ESL Placement process.

NCE 980 - Effective Writing for Advanced ESL Students

0.0 Units

This course is for students whose native language is not English. Students write academic essays and a short research paper. Emphasis is on the writing process, academic essay writing, and introductory research skills. The course also provides intensive practice with the sentence patterns, grammatical structures, and academic vocabulary necessary to produce clear, accurate prose. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Satisfactory Progress

Course Advisory and Requisites

Advisory: NCE 970RW

Noncredit Health Occupations (NCH)

NCH 001CW - Introduction to Community Health Work

0.0 Units

This is the first of a three-course sequence leading to the Community Health Worker Certificate of Completion. This course introduces students to the role of the Community Health Worker, the types of client and agencies with whom the Community Health Worker works on a daily basis, and the basic concepts of public health practice.

Grade Options

Pass/No Pass

Course Advisory and Requisites

Advisory: CAP 010A and CAP 062B

NCH 002CW - Introduction to Chronic Disease Management

0.0 Units

This course addresses chronic health conditions (also referred to as chronic illness or chronic disease), the leading cause of illness and death in the United States. Community Health Workers (CHW) often work closely with clients who live with chronic conditions. Topics include basic information about the types of chronic conditions and techniques for their management.

Grade Options

Pass/No Pass

Course Advisory and Requisites

Prerequisite: NCH 001CW

NCH 003CW - Externship for Community Health Worker

0.0 Units

This externship will give students an experiential learning opportunity to enhance their academic and professional skill sets. Students will learn and understand the duties of a Community Health Worker in a professional setting, and contract for a minimum of 54 hours at an externship placement. Students must complete the first course, NCH 001CW. The next course NCH 002CW can be taken with NCH 003CW externship. (Note: Any student can take both NCH 001CW and NCH 002CW in one semester or summer, then take the NCH 003CW Externship next semester.)

Grade Options

Pass/No Pass

Course Advisory and Requisites

Prerequisite or Corequisite: NCH 002CW

Nutritional Science (NTR)

NTR 001 - Introduction to Public Health

3.0 Units

This course provides an introduction to the discipline of Public Health. Students will gain an understanding of the basic concepts and terminologies of public health, and the history and accomplishments of public health officials and agencies. An overview of the functions of various public health professions and institutions and an in-depth examination of the core public health disciplines are covered. Topics of the discipline include the epidemiology of infectious and chronic disease; prevention and control of diseases in the community including the analysis of the social determinants of health and strategies for eliminating disease, illness, and health disparities among various populations; community organizing and health promotion programming; environmental health and safety; global health; and healthcare policy and management.

Transferability and General Education

Transferable to both UC and CSU
AA/AS General Education Requirements.

- A-4 - Social & Behavioral Sciences

Grade Options

Pass/No Pass
Letter Grade

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

NTR 006 - Personal Health and Wellness

3.0 Units

This course focuses on the exploration of major health issues and behaviors in the various dimensions of health. Emphasis is placed on individual responsibility for personal health and the promotion of informed, positive health behaviors. Topics include nutrition, exercise, weight control, mental health, stress management, violence, substance abuse, reproductive health, disease prevention, aging, healthcare, and environmental hazards and safety.

Transferability and General Education

Transferable to both UC and CSU
California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
AA/AS General Education Requirements.
- A-7 - Lifelong Learning
C-ID Number and Title
- PH 100 Personal Health and Wellness

Grade Options

Pass/No Pass
Letter Grade

NTR 015 - Human Nutrition

3.0 Units

This course introduces scientific principles as they apply to human nutrition. It explores the functions of essential nutrients, the chemical composition of foods, as well as psychological and social issues related to food intake. Students will explore current topics in nutrition and evaluate nutrient intake as it relates to maintaining health and preventing disease throughout the lifecycle. C-ID NUTR 110

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
AA/AS General Education Requirements.
- A-5 - Natural Sciences
- A-7 - Lifelong Learning
C-ID Number and Title
- NUTR 110 Introduction to Nutrition Science

Grade Options

Pass/No Pass
Letter Grade

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

NTR 015H - Human Nutrition - Honors

3.0 Units

This honors course introduces scientific principles as they apply to human nutrition. It explores the functions of essential nutrients, the chemical composition of foods, as well as psychological and social issues related to food intake. Students will explore current topics in nutrition and evaluate nutrient intake as it relates to maintaining health and preventing disease throughout the lifecycle. Students may not receive credit for both NTR 015 and NTR 015H. Enrollment in the Honors Program is required. C-ID NUTR 110

Transferability and General Education

Transferable to both UC and CSU
California State University General Education-Breadth (CSU GE-B)

- Area E - Lifelong Learning and Self Development
AA/AS General Education Requirements.
- A-5 - Natural Sciences
- A-7 - Lifelong Learning
C-ID Number and Title
- NUTR 110 Introduction to Nutrition Science

Grade Options

Pass/No Pass
Letter Grade

Course Advisory and Requisites

Advisory: ENG 001A or ENG 001AX

NTR 040 - Nutrition and Disease

3.0 Units

This nutrition course is intended for students interested in entering the health fields with emphasis on physiology, metabolism of nutrients, metabolic diseases and dietary modification to optimize recovery and health. Students will understand and evaluate dietary intake, nutritional assessment, and nutrition care commonly used at clinics and hospitals.

Transferability and General Education

Transferable to both UC and CSU
AA/AS General Education Requirements.

- A-7 - Lifelong Learning

Grade Options

Letter Grade
Pass/No Pass



NTR 040H - Nutrition and Disease - Honors

3.0 Units

This honors nutrition course is intended for students interested in entering the health fields with an emphasis on physiology, metabolism of nutrients, metabolic diseases, and dietary modification to optimize recovery and health. Students will understand and evaluate dietary intake, nutritional assessment, and nutrition care commonly used at clinics and hospitals. Students may not receive credit for both NTR 040 and NTR 040H. Enrollment in the Honors Program is required.

Transferability and General Education

AA/AS General Education Requirements.

- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

Philosophy (PHI)

PHI 001 - Introduction to Philosophy

3.0 Units

This course is an introduction to some philosophical problems and the various approaches to their solutions. The student is exposed to selected traditional philosophical systems with emphasis upon how these systems are relevant to solving the problems of contemporary existence. Among the questions explored in the course are: What is reality? What is the nature of human beings? What makes an act right or wrong? Are human actions free or determined? What is knowledge?

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
- AA/AS General Education Requirements.
- A-3 - Arts & Humanities

Grade Options

Letter Grade

Pass/No Pass

PHI 002 - Introduction to Logic

3.0 Units

This course is an introduction to the problems and techniques of traditional and modern logic comprising both deductive and inductive inference. The student learns to distinguish arguments from non-arguments, to identify and avoid common fallacies in reasoning, to test for validity using both truth-functional arguments and categorical syllogisms, to construct simple formal proofs of validity in truth-functional logic, and to understand the nature of inductive reasoning.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area A3 - Critical Thinking
- AA/AS General Education Requirements.
- A-1B - Oral Communication & Critical Thinking
- A-3 - Arts & Humanities
- C-ID Number and Title
- PHIL 110 Introduction to Logic

Grade Options

Letter Grade

Pass/No Pass

PHI 003 - Introduction to Problems in Ethics

3.0 Units

This course critically examines questions of value and obligation. Students explore prominent ethical theories, including Kantianism, the Utilitarians and virtue ethics. The student then applies these ethical theories to case studies, such as bioethics and environmental ethics. Much of the course is devoted to critical thinking and writing skills.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 1B - Critical Thinking
- California State University General Education-Breadth (CSU GE-B)
- Area A3 - Critical Thinking
- Area C2 - Humanities
- AA/AS General Education Requirements.
- A-1B - Oral Communication & Critical Thinking
- AA/AS General Education Requirements.
- A-3 - Arts & Humanities
- C-ID Number and Title
- PHIL 120 Introduction to Ethics

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: ENG 001A or ENG 001AX

PHI 005 - Introduction to Social and Political Philosophy

3.0 Units

This course introduces students to a critical study of some major social and political problems. What is society? What is a state? What is freedom? What is authority? What is the nature of political obligation? What constitutes justice? What constitutes a right? What are the relationships, if any, between the individual and society?

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
- AA/AS General Education Requirements.
- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade



Pharmacy Tech (PHT)

PHT 801 - Orientation to Pharmacy Practice

0.0 Units

In this course students will be oriented to the pharmacy technician program policy and procedures and are introduced to the basic concepts of pharmacy practice, different pharmacy practice settings, pharmacy personnel, their respective roles, including current pharmacy trends and issues. (noncredit course - not degree applicable)

Grade Options

Letter Grade

PHT 802 - Pharmacy Law, Communications, and Customer Service

0.0 Units

In this course students will learn laws, standards, and ethics related to pharmacy practice and pharmacy technicians. Through discussions and case studies, students will learn the complex system of interrelated laws, regulations, standards, codes, and ethical guidelines which help to ensure that drug therapies and merchandising are carried out safely and in the public interest. Included will be discussions on the California Board of Pharmacy, the FDA, DEA, controlled substances, and licensing and regulation of pharmacy personnel and operations. In addition, Pharmacy Communications and Customer service is devoted to teaching future pharmacy technicians the skills they will need to effectively communicate. Students will examine a variety of skills that can assist in developing expertise in quality patient care. (noncredit course - not degree applicable)

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: PHT 801

PHT 803 - Pharmacy Medical Terminology and Abbreviations

0.0 Units

In this course, students will learn word structure, general terms and concepts of physiology/pharmacology, medical word elements including common roots, prefix, suffix, and combining forms, and abbreviations and symbols used in prescriptions, medication orders, and other clinical documentation. (noncredit course - not degree applicable)

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: PHT 802

PHT 804 - Pharmacy Over-the-Counter Products and Devices

0.0 Units

In this course students will be introduced to the history of over-the-counter (OTC) drugs, and how they differ from prescription medications. OTC drug classes will be covered, and students will learn to differentiate the various active ingredients, combination formulations, and dosage forms found in OTC products. Students will also be introduced to common health devices such as blood glucose monitors, blood pressure machines, contraceptives, and test strips. In addition, students will explore how OTC products and devices are categorized in the pharmacy. (noncredit course - not degree applicable)

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: PHT 803

PHT 805 - Pharmacy Calculations

0.0 Units

In this course students will learn essential mathematical concepts and skills used on the job by pharmacy technicians. Basic mathematical skills are reinforced by performing drug dose calculations and drug preparations. Students will receive intensive practice in pharmacy math calculations, conversions, measurements, and applications of equations used in calculating dosages, preparing solutions, and determining inventory and profit margins. (noncredit course - not degree applicable)

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: PHT 804

PHT 806 - Pharmacology and Pharmaceuticals for Pharmacy Technicians

0.0 Units

This course presents the basic principles of pharmacology. Emphasis is on defining pharmacological classes of drugs, explaining the use of medication, and drug therapy. The student will learn what drugs are used for, cautions to observe in their use, side effects, drug interactions, contra-indications, etc. In addition, students will learn to read drug labels & package inserts, and the trade and generic names of 200 commonly prescribed medications. (noncredit course - not degree applicable)

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: PHT 805

PHT 807 - Pharmacy Prescription Computer Data Entry

0.0 Units

This lab course is designed to introduce fundamental areas of pharmacy computerized processing of prescriptions and medication orders. Students will work with pharmacy management software to learn and demonstrate entering prescriptions, creating, and maintaining patient and prescriber profiles, generating labels, and adjudication. As part of this course, students are expected to develop proficient keyboarding skills. (noncredit course - not degree applicable)

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: PHT 806

PHT 808 - Managed Care in Pharmacy Practice

0.0 Units

This introductory course is designed to teach the pharmacy aspect of Managed Care and become an insurance specialist. Students will learn all aspects of insurance, common terminology, and definitions for pharmacy operations. Students will focus on reading insurance cards, claim preparation and transmission, troubleshooting claims, important forms used and medicolegal issues. (noncredit course - not degree applicable)

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: PHT 807

PHT 809 - Institutional Pharmacy Practice

0.0 Units

In this lab and lecture course students learn how pharmacy operations in hospital and institutional settings function such as their use of aseptic techniques, preparation of parenteral medications, proper handling of hazardous agents, unit dose repacking, floor stock, and crash carts. Students will understand formulary drugs, and common universal precautions to avoid contamination. (noncredit course - not degree applicable)

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: PHT 808

PHT 810 - Community Pharmacy Dispensing and Non-Sterile Compounding

0.0 Units

This combined lecture and lab course provides the basic principles and hands-on skills necessary to function as a pharmacy technician in the community pharmacy practice setting. Students will learn processes and skills specific to retail, outpatient, compounding, and community pharmacy practice settings. These include filling medication orders, inventory management, adjudication, calculations, compounding non-sterile products, and packaging. (noncredit course - not degree applicable)

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: PHT 809

PHT 811 - Professional Development for the Pharmacy Technician

0.0 Units

This course is a series of classes designed to help students develop professional skills and prepare for pharmacy work. The class will cover resume preparation, interviewing skills, job search strategies, and other career enhancement strategies. (noncredit course - not degree applicable)

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: PHT 810

PHT 812 - Clinical Pharmacy Preparation and Externship

0.0 Units

This course is designed to help prepare students for externship and licensing procedure for the California State Board of Pharmacy. Students will be placed in a pharmacy environment to reinforce skills and education developed in didactic and laboratory training. Pharmacy Technician students will be evaluated by a preceptor at the site. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Course Advisory and Requisites

Prerequisite: PHT 811

Physics (PHY)

PHY 002A - General Physics - Mechanics and Thermodynamics

5.0 Units

This is the first lecture/lab course in physics for majors in subjects other than engineering or the physical sciences. Topics covered include Newton's laws of force, dynamics of rigid bodies, the concepts of potential and kinetic energy, momentum, thermodynamics, hydrodynamics, and wave motion. Analytical solutions of numerical problems at the trigonometric and algebraic level are emphasized.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science
- Area 5C - Laboratory Requirements
AA/AS General Education Requirements.
- A-5 - Natural Sciences
California State University General Education-Breadth (CSU GE-B)
- Area B1 - Physical Sciences
- Area B3 - Laboratory Requirement
C-ID Number and Title
- PHYS 100 S Algebra/Trigonometry-Based Physics: AB (when taken with PHY 002B)
- PHYS 105 Algebra/Trigonometry-Based Physics A

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: MAT 000D or higher

PHY 002B - General Physics - Electricity, Magnetism and Optics

5.0 Units

This lecture/lab course is a continuation of PHY 002A as a lecture/lab course with the study of electricity, magnetism, geometrical and wave optics and atomic physics.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science
- Area 5C - Laboratory Requirements
California State University General Education-Breadth (CSU GE-B)
- Area B1 - Physical Sciences
- Area B3 - Laboratory Requirement
AA/AS General Education Requirements.
- A-5 - Natural Sciences
C-ID Number and Title
- PHYS 100 S Algebra/Trigonometry-Based Physics: AB (when taken with PHY 002B)
- PHYS 110 Algebra/Trigonometry-Based Physics B

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: PHY 002A

PHY 003 - Introduction to Physics Problem Solving

3.0 Units

This course is intended to prepare students to take PHY004A, the first in the series of courses for engineering and science majors. It provides an introduction to the concepts of classical mechanics

and teaches students how to interpret, analyze, and solve physics problems. Students will learn to represent real-world situations with mathematics. These problem solving skills are useful in any technical field.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science

AA/AS General Education Requirements.

- A-5 - Natural Sciences

Grade Options

Letter Grade

Course Advisory and Requisites

Advisory: (MAT 001 and MAT 000D) or MAT 002

PHY 004A - Engineering Physics-Mechanics

5.0 Units

This course in mechanics, the first in a series of engineering physics courses, is a calculus-based study of forces, energy and momentum. Kinematic problems are solved using position, velocity and acceleration. Conservation of momentum and energy is applied to moving and interacting systems, rotational mechanics, simple harmonic motion, gravity, mechanical properties of matter, fluid statics and dynamics.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science

- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences

- Area B3 - Laboratory Requirement

AA/AS General Education Requirements.

- A-5 - Natural Sciences

C-ID Number and Title

- PHYS 200 S Calculus-Based Physics for Scientists and Engineers:

ABC (when taken with PHY004B and PHY004C)

- PHY 205 Calculus-Based Physics for Scientists and Engineers: A

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: MAT 003A or MAT 003AH

PHY 004B - Engineering Physics-Electricity and Magnetism

4.0 Units

This lecture/laboratory course is the second in the calculus-based engineering physics series. The course continues the concept of field theory and develops the concepts of Maxwell's equations. Topics include: Coulomb's Law, Gauss' Law, Electric Potential, Biot-Savart Law, Ampere's Law, and Faraday's Law. Kirchoff's Laws and AC circuits are introduced. Solutions to numerical and theoretical problems are emphasized at the calculus level.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science

- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences

- Area B3 - Laboratory Requirement

AA/AS General Education Requirements.

- A-5 - Natural Sciences

C-ID Number and Title

- PHYS 200 S Calculus-Based Physics for Scientists and Engineers:

ABC (when taken with PHY004A and PHY004C)

- PHY 210 Calculus-Based Physics for Scientists and Engineers: B

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: MAT 003B and PHY 004A

PHY 004C - Engineering Physics-Light and Heat

4.0 Units

This lecture/laboratory course is the third semester in the engineering physics series. The course content includes thermodynamics, geometrical and wave optics, atomic and modern physics. The dual nature of light is investigated in lecture and laboratory by the use of interference and diffraction effects. The laws of heat transfer, thermodynamics, and the Carnot cycle are covered. Numerical and theoretical solutions to problems are emphasized.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science

- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences

- Area B3 - Laboratory Requirement

AA/AS General Education Requirements.

- A-5 - Natural Sciences

C-ID Number and Title

- PHYS 200 S Calculus-Based Physics for Scientists and Engineers:

ABC (when taken with PHY004A and PHY004B)

- PHY 215 Calculus-Based Physics for Scientists and Engineers: C

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: MAT 003B and PHY 004A

PHY 004D - Atomic Physics

2.0 Units

This course is an introduction to quantum physics with an emphasis on the electronic structure of atoms and solids, waves and particle duality, statistics, band theory, radiation and relativity.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science

- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences

- Area B3 - Laboratory Requirement

AA/AS General Education Requirements.

- A-5 - Natural Sciences

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: PHY 004B

PHY 010 - Introduction to Physics

4.0 Units

This is a conceptual course in physics, including the development of fundamental concepts as applied to everyday phenomena, from a limited mathematical perspective, emphasizing verbal logic, critical analysis, and rational thought. The topics included in this course are mechanics, thermodynamics, electricity and magnetism, optics, and modern physics.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 5A - Physical Science
- Area 5C - Laboratory Requirements

California State University General Education-Breadth (CSU GE-B)

- Area B1 - Physical Sciences
 - Area B3 - Laboratory Requirement
- AA/AS General Education Requirements.
- A-5 - Natural Sciences

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: Elementary Algebra Skills

Political Science (POL)

POL 001 - American Government

3.0 Units

American Government involves interdisciplinary, writing-intensive, collaborative, and experiential instruction. The course covers the structure and functions of the American national government, as well as those of state and local governments. Emphasis is placed on the development of a deep understanding of historical and societal influences on the modern American political institutions.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences

CSU United States History, Constitution and American Ideals

- US-2: U.S. Constitution and government
- US-3: California state and local government

AA/AS General Education Requirements.

- A-4 - Social & Behavioral Sciences

C-ID Number and Title

- POLS 110 Introduction to American Government and Politics

Grade Options

Letter Grade

Pass/No Pass

POL 001H - American Government - Honors

3.0 Units

Honors American Government involves interdisciplinary, writing-intensive, collaborative, and experiential instruction. The course covers the structure and functions of the American national government, as well as those of state and local governments. Emphasis is placed on the development of a deep understanding of historical and societal influences on the modern American political institutions. Students cannot get credit for both POL 001 and POL 001H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences

CSU United States History, Constitution and American Ideals

- US-2: U.S. Constitution and government
- US-3: California state and local government

AA/AS General Education Requirements.

- A-4 - Social & Behavioral Sciences

C-ID Number and Title

- POLS 110 Introduction to American Government and Politics

Grade Options

Pass/No Pass

Letter Grade

POL 002 - Comparative Government

3.0 Units

This course explores the government and politics of some of the major nations in the world as well as developing nations. Political structures, functions, processes, and policies are compared with each other and with the U.S. government. Particular consideration is given to contemporary world problems with an emphasis on developing comparative analytical skills and abilities.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

AA/AS General Education Requirements.

- A-4 - Social & Behavioral Sciences

C-ID Number and Title

- POLS 130 Introduction to Comparative Government and Politics

Grade Options

Letter Grade

Pass/No Pass

POL 004 - International Relations

3.0 Units

This course introduces the beginning student to global politics. The class is designed to provide students with both a framework and the analytical skills for better understanding the causes and effects of world events and the broader dynamics of the relations among nations. Emphasis is placed on theories of international relations, state and non-state players, the historical struggle for power between countries, international organizations, international economics, and the foreign policy process both in the United States and abroad.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

C-ID Number and Title

- POLS 140 Introduction to International Relations

Grade Options

Letter Grade

Pass/No Pass



POL 006 - Politics of Race, Class and Gender

3.0 Units

This course is an introduction to the role race, economic class, and gender have and currently play in global politics. The class surveys the political history, goals, strategies, perspectives, barriers and successes of women, the poor, and selected minorities within the context of politics around the world, as well as the effects of their intersectionality. Various ethnic, religious, socio-economic and gender groups are considered.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences
- AA/AS General Education Requirements.
- A-4 - Social & Behavioral Sciences
- C-ID Number and Title
- POLS 170 Introduction to the Politics of Race and Gender

Grade Options

Letter Grade

Pass/No Pass

POL 007 - International Films

3.0 Units

This course provides a critical look at the world and its problems through some of the finest international films. Films from Asia, Africa, Europe, and the Americas are viewed and analyzed to explore such topics as nationalism, sovereignty, war and peace, ethnic conflict, economics and immigration. This course is cross-listed as Humanities 007 (HUM 007).

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
- Area D - Social Sciences
- AA/AS General Education Requirements.
- A-3 - Arts & Humanities
- A-4 - Social & Behavioral Sciences

Grade Options

Letter Grade

Pass/No Pass

POL 020 - Controversial Legal Issues

3.0 Units

This course develops critical thinking skills as applied to contemporary legal and political issues that stem from controversies over civil rights and liberties. Topics such as drug decriminalization, offensive speech, affirmative action, discrimination against gender and sexual orientation, school prayer, the right to die, and pornography are explored. Students engage in debates on the issues, applying skills that allow them to distinguish between fact and judgment. Completion of Political Science 001 is recommended.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area A3 - Critical Thinking
- Area D - Social Sciences
- Intersegmental General Education Transfer Curriculum (IGETC)
- Area 4 - Social and Behavioral Sciences
- AA/AS General Education Requirements.
- A-1B - Oral Communication & Critical Thinking
- A-4 - Social & Behavioral Sciences

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: POL 001

Psychology (PSY)

PSY 001 - General Psychology

3.0 Units

This course introduces major concepts, problems and methods that psychologists use to investigate and understand the human mind. Major topics of study include the history and origins of psychology, introductory statistical concepts, motivation, emotion, biological determinants of behavior, environmental factors in behavior, psychological tests and measurements, and learning and personality theory.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences
- AA/AS General Education Requirements.
- A-4 - Social & Behavioral Sciences
- C-ID Number and Title
- PSY 110 Introductory Psychology

Grade Options

Letter Grade

Pass/No Pass

PSY 001H - General Psychology - Honors

3.0 Units

This Honors course introduces major concepts, problems and methods that psychologists use to investigate and understand the human mind. Major topics of study include the history and origins of psychology, introductory statistical concepts, motivation, emotion, biological determinants of behavior, environmental factors in behavior, psychological tests and measurements, and learning and personality theory. Students cannot get credit for both PSY 001 and PSY 001H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences
- AA/AS General Education Requirements.
- A-4 - Social & Behavioral Sciences
- C-ID Number and Title
- PSY 110 Introductory Psychology

Grade Options

Letter Grade

Pass/No Pass

PSY 007 - Biological Psychology

3.0 Units

This course is an introduction to the physiological substrates of behavior. Among the areas covered are neurophysiology, the functional nervous system, senses, emotion, motivation and learning. The course has value for behavioral science, paramedical, and pre-medical majors.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences
AA/AS General Education Requirements.

- A-4 - Social & Behavioral Sciences

- A-5 - Natural Sciences

C-ID Number and Title

- PSY 150 Introduction to Biological Psychology

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: PSY 001 or PSY 001H

PSY 010 - Social Psychology

3.0 Units

This course studies psychological influences on an individual while functioning in social contexts. Topics include social cognition and perception (of self and others), attitudes and self-justification, conformity and aggression, prejudice, group processes, attraction, and altruism.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

AA/AS General Education Requirements.

- A-4 - Social & Behavioral Sciences

C-ID Number and Title

- PSY 170 Introduction to Social Psychology

Grade Options

Letter Grade

Pass/No Pass

PSY 012 - Human Growth and Development

3.0 Units

This course blends psychological, physiological, cultural and other environmental forces that affect human growth and development. Additionally, theoretical models and research into the development of cognitive, physical, personality, emotional and developmental problems are examined.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

- Area E - Lifelong Learning and Self Development

AA/AS General Education Requirements.

- A-4 - Social & Behavioral Sciences

- A-7 - Lifelong Learning

C-ID Number and Title

- PSY 180 Introduction to Lifespan Psychology

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: PSY 001

PSY 015 - Introduction to Research Methods

3.0 Units

This course surveys various psychological research methods with an emphasis on research design, experimental procedures, descriptive methods, instrumentation, and the collection, analysis, interpretation, and reporting of research data. Research design and methodology are examined through a review of research in a variety of sub-disciplines of psychology.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

AA/AS General Education Requirements.

- A-4 - Social & Behavioral Sciences

C-ID Number and Title

- PSY 200 Introduction to Research Methods in Psychology

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: (MAT 010 or MAT 010H or MAT 009 or SOC 016) and (PSY 001 or PSY 001H)

PSY 015H - Introduction to Research Methods - Honors

3.0 Units

This honors course surveys various psychological research methods with an emphasis on research design, experimental procedures, descriptive methods, instrumentation, and the collection, analysis, interpretation, and reporting of research data. Research design and methodology are examined through a review of research in a variety of sub-disciplines of psychology. Students cannot get credit for both PSY015 and PSY015H. Enrollment in the Honors Program is required.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

AA/AS General Education Requirements.

- A-4 - Social & Behavioral Sciences

C-ID Number and Title

- PSY 200 Introduction to Research Methods in Psychology

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: (MAT 010 or MAT 010H or MAT 009 or SOC 016) and (PSY 001 or PSY 001H)

PSY 021 - Special Populations

3.0 Units

This course provides an overview of special populations affected by mental illness. Emphasis is placed on the issues specific to populations living with mental illness. Populations include the homeless, transitional age youth, the elderly, veterans, lesbian, gay, bisexual, transgender, queer, individuals with physical disabilities, substance abuse, and different racial and ethnic groups within those special populations.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade

PSY 022 - Helping Relationships

3.0 Units

The course will introduce and familiarize students with skills and theories necessary for creating an effective partnership between the service provider and the service recipient. Students will learn service planning, advocating, empowering, and community reintegration techniques.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade

PSY 025 - Introduction to Abnormal Psychology

3.0 Units

This course introduces the scientific study of psychopathology and atypical behaviors, broadly defined. Students investigate abnormal behavior from a variety of perspectives including biological, psychological, and sociocultural approaches. An integrative survey of theory and research in abnormal behavior, and intervention and prevention strategies for psychological disorders are also introduced.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences
- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements.
- A-4 - Social & Behavioral Sciences
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: PSY 001 or PSY 001H

PSY 030 - Psychology of Addiction and Substance Abuse

3.0 Units

This course is an introduction to the physiological and psychological processes of addiction and how they relate to the abuse of legal and illegal substances.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences
- AA/AS General Education Requirements.
- A-4 - Social & Behavioral Sciences
- A-7 - Lifelong Learning

Grade Options

Letter Grade

Pass/No Pass

PSY045 - Introduction to Human Sexuality

3.0 Units

This course is an introductory overview of the field of human sexuality. Human sexuality is examined from psychological, biological, sociocultural, and historical perspectives. Students are encouraged to become aware of their own sexual attitudes, values, and behaviors and to evaluate the consistency of their behaviors within their own moral frameworks. Current sex norms and various aspects of interpersonal and individual sexual adjustment are explored.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences
- Area E - Lifelong Learning and Self Development
- AA/AS General Education Requirements.
- A-4 - Social & Behavioral Sciences
- A-7 - Lifelong Learning
- C-ID Number and Title
- PSY 130 Introduction to Human Sexuality

Grade Options

Pass/No Pass

Letter Grade

PSY 821 - Special Populations

0.0 Units

This course provides an overview of special populations affected by mental illness. Emphasis is placed on the issues specific to populations living with mental illness. Populations include the homeless, transitional age youth, the elderly, veterans, lesbian, gay, bisexual, transgender, queer, individuals with physical disabilities, substance abuse, and different racial and ethnic groups within those special populations. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

PSY822 - Helping Relationships

0.0 Units

The course will introduce and familiarize students with skills and theories necessary for creating an effective partnership between the service provider and the service recipient. Students will learn service planning, advocating, empowering, and community reintegration techniques. (noncredit course - not degree applicable)

Grade Options

Pass/No Pass

Reading (REA)

REA 054 - Critical College Reading and Thinking

3.0 Units

This course enables students to examine, develop and apply the concepts of critical reading, critical thinking, analysis, and logical reasoning in multi-discipline and multi-cultural academic sources. Emphasis is on critical reading, logical reasoning/thinking, reflective judgment, and problem-solving skills that lead to the ability to interpret, analyze, and critically evaluate college text, and advocate ideas.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade

Social Justice Studies (SJS)

SJS 001 - Social Justice

3.0 Units

Interdisciplinary study of social justice. The course will cover philosophical and historical foundations of the social justice concept and movement and examine the socio-economic, cultural and political conditions of key social groups. The lens will be centered on but not limited to the experiences of the United States. C-ID# SJS 001

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

C-ID Number and Title

- SJS 110 Introduction to Social Justice

Grade Options

Pass/No Pass

Letter Grade

SJS 002 - Introduction to Gender Studies

3.0 Units

In this course, students will learn how sex and gender are shaped by biological and environmental factors, and what research shows about sex differences. Further, students will examine gender from feminist perspectives. This course will examine how gender is constructed in various institutions such as the family, mass media, education, and the economy. In this course students will be given a basic understanding of the gender and feminism and will be introduced to relevant theories of gender, the intersectionality of gender, race and class, as well as how gender shapes an individual's experience of the world in realms such as communication, sexuality, relationships, work, health and violence.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

C-ID Number and Title

- SJS 120 Introduction to Women's Studies

Grade Options

Pass/No Pass

Letter Grade

SJS 003 - Introduction to LGBTQ Studies

3.0 Units

This introductory course introduces students to a broad range of historical and contemporary gay, lesbian, bisexual, transgender, and queer issues addressed through sociological, political, racial, and sexual context.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area D - Social Sciences

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

C-ID Number and Title

- SJS 130 Introduction to LGBTQ Studies

Grade Options

Pass/No Pass

Letter Grade



Sociology (SOC)

SOC 001 - Introduction to Sociology

3.0 Units

This course is an introduction to the field of sociology as a scientific discipline, an examination of human society from various sociological perspectives, an analysis of the relationship between personality development and the socio-cultural environment, the presentation of social institutions, and the possible influences of these on behavior. This course is also taught via distance education. C-ID SOCI 110

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

• Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

• Area D - Social Sciences

AA/AS General Education Requirements

• A-4 - Social & Behavioral Sciences

C-ID Number and Title

• SOCI 110 Introduction to Sociology

Grade Options

Letter Grade

Pass/No Pass

SOC 001H - Introduction to Sociology - Honors

3.0 Units

This course is an introduction to the field of sociology as a scientific discipline, an examination of human society from various sociological perspectives, an analysis of the relationship between personality development and the socio-cultural environment, the presentation of social institutions, and the possible influences of these on behavior. The honors component involves an in-depth analysis of specific topics, using current information from research journals and is more rigorous than SOC 001. Students cannot get credit for both SOC 001 and SOC 001H. Enrollment in the Honors Program is required. C-ID SOCI 110

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

• Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

• Area D - Social Sciences

AA/AS General Education Requirements

• A-4 - Social & Behavioral Sciences

C-ID Number and Title

• SOCI 110 Introduction to Sociology

Grade Options

Letter Grade

Pass/No Pass



SOC 002 - Social Problems

3.0 Units

This course investigates the sociological perspective on social problems. Drug addiction, crime, poverty, violence, mental illness, prejudice, and other issues are discussed. Causes of problems and possible remedies are explored, including available resources in the local community. C-ID SOCI 115

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

• Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

• Area D - Social Sciences

AA/AS General Education Requirements

• A-4 - Social & Behavioral Sciences

C-ID Number and Title

• SOCI 115 Social Problems

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Advisory: SOC 001

SOC 002H - Social Problems - Honors

3.0 Units

This course investigates the sociological perspective on social problems. Drug addiction, crime, poverty, violence, mental illness, prejudice, and other issues are discussed. Causes of problems and possible remedies are explored, including available resources in the local community. The honors component involves an in-depth analysis of specific topics, using current information from research journals and is more rigorous than SOC 002. Students cannot get credit for both SOC 002 and SOC 002H. Enrollment in the Honors Program is required. C-ID SOCI 115

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

• Area 4 - Social and Behavioral Sciences

California State University General Education-Breadth (CSU GE-B)

• Area D - Social Sciences

AA/AS General Education Requirements

• A-4 - Social & Behavioral Sciences

C-ID Number and Title

• SOCI 115 Social Problems

Grade Options

Letter Grade

Pass/No Pass

SOC 016 - Introduction to Statistics in Social And Behavioral Sciences

3.0 Units

For students majoring in psychology, sociology, and other behavioral sciences. Introduces students to the basic statistical techniques and design methodologies used in behavioral sciences. Topics include descriptive statistics; probability and sampling distributions; statistical inference and power; linear correlation and regression; chi-square; t-tests, and ANOVA. An emphasis will be placed on the interpretation and relevance of statistical findings and the application of statistical concepts to real-world problems in the behavioral and social sciences. C-ID SOCI 125

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 2 - Mathematical Concepts and Quantitative Reasoning
- California State University General Education-Breadth (CSU GE-B)
- Area B4 - Mathematics/Quantitative Reasoning
- AA/AS General Education Requirements
- A-2 - Mathematical Concepts & Quantitative Reasoning
- C-ID Number and Title
- SOCI 125 Introduction to Statistics in Sociology

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: (PSY 001 or PSY 001H or SOC 001 or SOC 001H) and Intermediate Algebra.

SOC 021 - Introduction to Race and Ethnicity

3.0 Units

This course introduces the student to the sociological analysis of race, ethnicity, and racism. Topics include the cultural, political, and economic practices and institutions that support or challenge racism, racial and ethnic inequalities, as well as historical and contemporary patterns of interaction between various racial and ethnic groups.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences
- AA/AS General Education Requirements
- A-4 - Social & Behavioral Sciences
- C-ID Number and Title
- SOCI 150 Introduction to Race and Ethnicity

Grade Options

Pass/No Pass

Letter Grade

SOC 040 - Introduction to Marriage and Family

3.0 Units

This course is an analysis of marriage and the family in contemporary American society including assessments of problems of mate choice, courtship and dating practices; adjustments to marriage and divorce, some aspects of parenthood and child training, and an investigation of dysfunctional familial relationships. C-ID SOCI 130

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences
- AA/AS General Education Requirements
- A-4 - Social & Behavioral Sciences
- C-ID Number and Title
- SOCI 130 Introduction to Marriage and Family

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: SOC 001

SOC 045 - Human Sexuality

3.0 Units

This course is an up-to-date and comprehensive introduction to the topic of human sexuality, including information and perspectives from sociology, health science, psychology, and anthropology. Topics include sexual anatomy and physiology, sexual expression, sexual orientation, sexually transmitted diseases, safe sexual practices, and sexual problems. The emphasis of this course is the history, attitudes, medical aspects, and current practices of sexuality in the United States, including a special emphasis on urban and suburban areas of California.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences
- Area E - Lifelong Learning
- AA/AS General Education Requirements
- A-4 - Social & Behavioral Sciences
- A-7 - Lifelong Learning

Grade Options

Pass/No Pass

Letter Grade

SOC 047 - Sociology of Criminology

3.0 Units

This course covers the sociological analysis of crime, criminal behavior, and the criminal justice system. It explores the history and social construction of crime and criminality and examines the definition of crime and its violations, as well as the laws and methods used to control criminal behavior. Also, measurement of crime and basic theoretical explanations of criminal behavior are discussed. C-ID# SOCI 160

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
- California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences
- AA/AS General Education Requirements
- A-4 - Social & Behavioral Sciences
- C-ID Number and Title
- SOCI 160 Introduction to Crime

Grade Options

Letter Grade

Pass/No Pass

SOC 050 - Introduction to Criminal Justice

3.0 Units

This course introduces students to the characteristics of the criminal justice system in the United States. Focus is placed on examining crime measurement, theoretical explanations of crime, responses to crime, components of the system, and current challenges to the system. The course examines the evolution of the principles and approaches utilized by the justice system and the evolving forces which have shaped those principals and methods. Although justice structure and process are examined in a cross-cultural context, the emphasis is placed on the US justice system, particularly the structure and function of US police, courts, and corrections. Students are introduced to the origins and

development of criminal law, legal process, and sentencing and incarceration policies.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

C-ID Number and Title

- AJ 110 Introduction to Criminal Justice

Grade Options

Letter Grade

Pass/No Pass

SOC 054 - Concepts of Criminal Law

3.0 Units

This course offers an analysis of the doctrines of criminal liability in the United State and the classification of crimes against persons, property, morals, and public welfare. Special emphasis is placed on the classification of crime, the general elements of crime, the definitions of common and statutory law, and the nature of acceptable evidence. This course utilizes case law and case studies to introduce students to criminal law. The completion of this course offers a foundation upon which upper-division criminal justice course will build. The course also includes some limited discussion of prosecution and defense decision making, criminal culpability, and defenses to crimes.

Transferability and General Education

Transferable to both UC and CSU

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences
C-ID Number and Title
- AJ 120 Concepts of Criminal Law

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: SOC 050

SOC 058 - Introduction to Corrections

3.0 Units

This course provides a history of and critical analysis of punishment, the various types of punishment, alternatives to punishment, and the impact of punishment on the Criminal Justice System, corrections, a critical examination of the types of correctional institutions and the clients housed in each institution, and an examination of contemporary correctional issues.

Transferability and General Education

Transferable to CSU only

C-ID Number and Title

- AJ 200 Introduction to Corrections

Grade Options

Letter Grade

Pass/No Pass

SOC 060 - Community and Justice System

3.0 Units

This course examines the complex, dynamic relationship between communities and the justice system in addressing crime and conflict with an emphasis on the challenges and prospects of administering justice within a diverse multicultural population. Topics may include the consensus and conflicting values in Cultural, Religion, and Law.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 4 - Social and Behavioral Sciences
California State University General Education-Breadth (CSU GE-B)
- Area D - Social Sciences

AA/AS General Education Requirements

- A-4 - Social & Behavioral Sciences

C-ID Number and Title

- AJ 160 Community and the Justice System

Grade Options

Pass/No Pass

Letter Grade

Spanish (SPA)

SPA 001 - First Semester Spanish (Elementary Level)

5.0 Units

The student acquires the basic skills for communication in Spanish: listening, speaking, reading, and writing. The student is exposed to a general overview of Hispanic civilization and culture from Spain, Latin America, and the United States. This course is equivalent to two years of high school Spanish.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 6 - Language other than English
California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities

AA/AS General Education Requirements

- A-3 - Arts & Humanities

C-ID Number and Title

- SPAN 100 Elementary Spanish I



Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Corequisite: SPA 001L

SPA 001L - First Semester Spanish Laboratory

0.5 Units

The student acquires the basic skills for communication in Spanish: listening, speaking, reading, and writing. The student is exposed to a general overview of Hispanic civilization and culture. This is a 0.5 unit class that is a corequisite of SPA 001.

Transferability and General Education

Transferable to CSU only

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Corequisite: SPA 001

SPA 002 - Second Semester Spanish (Elementary Level)

5.0 Units

SPA 002 is a continuation of SPA 001. The student continues to develop basic skills for communication in Spanish: Listening, speaking, reading, and writing. The student is exposed to a general overview of Hispanic civilization and culture in Latin America, Spain, and the United States..

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities

- Area 6 - Language other than English

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

AA/AS General Education Requirements

- A-3 - Arts & Humanities

C-ID Number and Title

- SPAN 110 Elementary Spanish II

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: SPA 001 or 2 years of High School Spanish

Corequisite: SPA 002L

SPA 002L - Second Semester Spanish Laboratory

0.5 Units

SPA 002L is a continuation of SPA 001L and is also a corequisite of SPA 002. The student continues to develop basic skills for communication in Spanish: Listening, speaking, reading, and writing. The student is exposed to a general overview of Hispanic civilization and culture.

Transferability and General Education

Transferable to both UC and CSU

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

AA/AS General Education Requirements

- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Corequisite: SPA 002

SPA 003 - Third Semester Spanish (Intermediate Level)

5.0 Units

SPA 003 is a continuation of SPA 002. Students continue to develop proficiency in Spanish language skills through a review of grammar, vocabulary building exercises, culturally authentic dialogues, readings, and multimedia studies in Hispanic civilization, traditions, customs, and values.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities

West Valley Equivalent Course

- West Valley

AA/AS General Education Requirements

- A-3 - Arts & Humanities

C-ID Number and Title

- SPAN 200 Intermediate Spanish I

Grade Options

Letter Grade

Pass/No Pass

Course Advisory and Requisites

Prerequisite: SPA 002

SPA 004 - Fourth Semester Spanish (Intermediate Level)

5.0 Units

SPA 004 is a continuation of SPA 003. The student continues to develop proficiency in Spanish language skills through a review of grammar, vocabulary-building exercises, culturally relevant dialogues and readings regarding Hispanic civilization in Latin America, Spain, and The United States.



Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- Area 6 - Language other than English
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
- AA/AS General Education Requirements
- A-3 - Arts & Humanities
- C-ID Number and Title
- SPAN 210 Intermediate Spanish II

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: SPA 003

SPA 050A - Basic Conversational Spanish and Culture

3.0 Units

Designed for those desiring a basic, practical conversational approach to learning a language, this course emphasizes conversation and vocabulary-building with a minimum of grammar. A variety of activities center on everyday life in Spanish-speaking countries.

Transferability and General Education

Transferable to CSU only

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
- AA/AS General Education Requirements
- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

SPA 050B - Basic Conversational Spanish and Culture

3.0 Units

This course is a continuation of SPA 050A. Students increase their vocabulary and knowledge of basic grammatical structures while emphasizing conversation.

Transferability and General Education

Transferable to CSU only

California State University General Education-Breadth (CSU GE-B)

- Area C2 - Humanities
- AA/AS General Education Requirements
- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: SPA 050A

Transportation (TRN)

TRN 010 - Introduction to Transit Industry Careers

1.0 Units

This course provides an introduction to the wide variety of professions available in the public transit industry. Students will gain an understanding of the various departments and career pathways within the public transit industry and determine whether public transit is a potential career path to pursue.

Grade Options

Pass/No Pass

Letter Grade

TRN 101 - Foundations of Public Service for Transit Workers

2.0 Units

Students are introduced to public transit agencies and the personal and interpersonal skills needed in serving the public. This course prepares students for entry-level positions in transportation operations. Topics include communication, customer service, updates on ICT 2040 (INNOVATIVE CLEAN TRANSIT INITIATIVE) and promotional opportunities. Per California Code of admitted to the Coach Operator Apprenticeship Program or the Public Transit Leadership Certificate program.

Grade Options

Pass/No Pass

Letter Grade

TRN 102 - Public Service and Stress Management for Public Transit Employees

1.0 Units

Students are introduced to the relationship between delivering professional public service and managing stress factors inherent in the transit industry. Students acquire fundamental knowledge of public service strategies and stress management skills needed for a career in transit industry operations. This course is limited to students admitted to the Public Transit Leadership Certificate program.

Grade Options

Pass/No Pass

Letter Grade

TRN 103 - Community Health Issues for Public Transit Employees

1.0 Units

Students are introduced to common community health problems and issues they are likely to encounter on the job in the public transit industry. Topics include biohazards, communicable disease, and occupational safety. Additionally, students are taught a framework for understanding and handling interactions with members of the community suffering from difficult health issues, such as substance abuse or mental illness. This course is limited to students admitted to the Public Transit Leadership Certificate Program.

Grade Options

Pass/No Pass

Letter Grade

TRN 104 - Peer Mentoring for Public Transit Workers One-on-One Skills

1.0 Units

Students are introduced to the basic elements of one-on-one peer mentoring in a transit industry environment. Students acquire fundamental knowledge of the personal and interpersonal skills needed to be an effective peer mentor in entry-level transit operations. This course is limited to students admitted to the Public Transit Leadership Certificate program.

Grade Options

Pass/No Pass
Letter Grade

TRN 105 - Group Facilitation and Training Skills for Peer Mentors

1.0 Units

This course focuses on the theory and practice of facilitating effective meetings in a public transit environment. Topics include the differences between leading and facilitating, fundamental facilitation techniques, and personal strategies for facilitators to maintain neutrality while guiding meeting participants to successful outcomes. This course is limited to students admitted to the Public Transit Leadership Certificate program.

Grade Options

Pass/No Pass
Letter Grade

TRN 106 - Interpersonal Communication for Transit Workers

1.0 Units

Students are introduced to the principles of effective interpersonal communication in public transit professions. Topics include verbal and non-verbal communication, active listening, and accountability in communication. This course is limited to students admitted to the Public Transit Leadership Certificate program.

Grade Options

Pass/No Pass
Letter Grade

TRN 107 - Labor Management Problem Solving in Public Transit

1.0 Units

Students are introduced to the principles of effective labor/management problem solving in public transit professions. Topics include an overview of labor and management, trust building, and developing problem solving strategies. This course is limited to students admitted to the Public Transit Leadership Certificate Program.

Grade Options

Pass/No Pass
Letter Grade

TRN 108 - Performance Coaching for Public Transit Leaders

1.0 Units

Students are introduced to the principles of effective performance coaching in unionized public transit professions. Topics include leadership roles, management styles, and positive performance coaching. This course is limited to students admitted to the Public Transit Leadership Certificate program.

Grade Options

Pass/No Pass
Letter Grade

TRN 109 - Transit Business Technology and Practices for Transit Employees

1.0 Units

Students acquire fundamental technology skills necessary in today's public transit agencies, including computer basics, simple use of Microsoft Office applications, and accessing the Internet. This course is limited to students admitted to the Public Transit Leadership Certificate Program.

Grade Options

Pass/No Pass
Letter Grade

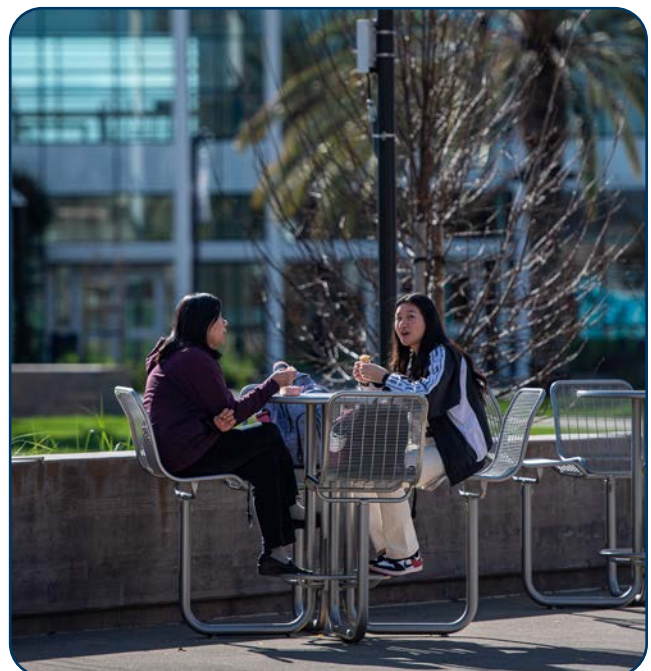
TRN 110 - Transit Operations for New Leaders

2.0 Units

Students are introduced to major support departments in public transit bus (coach) operations: coach maintenance, transit planning and scheduling, transit radio dispatching, and field supervision. Students learn the major functions, relationships, and overall impact of these departments on delivering safe and reliable public bus service on the street. This course is limited to students admitted to the Public Transit Leadership Certificate program.

Grade Options

Pass/No Pass
Letter Grade



TRN 121 - Way, Power, & Signal Maintenance Core Training I

1.0 Units

Students are introduced to the Way, Power, and Signal shop floor and basic safety protocols. This course prepares students for positions in light rail maintenance. Per California Code of Regulations, this course is limited to students admitted to light rail apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 122 - Way, Power, & Signal Maintenance Core Training II

1.0 Units

Students are introduced to ladder safety, basic Traffic Control, electrical safety, and lockout/tag out security. This course prepares students for positions in light rail maintenance. Per California Code of Regulations, this course is limited to students admitted to light rail apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 123 - Way, Power, & Signal Maintenance Core Training III

1.0 Units

Students are introduced to rail certification (rules and regulations) and roadway worker protection (safety in the railroad environment). This course prepares students for positions in light rail maintenance. Per California Code of Regulations, this course is limited to students admitted to light rail apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 131 - Basic Principles of Track Maintenance I

2.0 Units

Students are introduced to track structure, safety and use of track, track tools, roadbed, crossties, and ballast. This course prepares students for entry-level positions in railway track work. Per California Code of Regulations, this course is limited to students admitted to the Track Worker Apprenticeship Program.

Grade Options

Pass/No Pass
Letter Grade

TRN 132 - Basic Principles of Track Maintenance II

2.0 Units

Students are introduced to rail maintenance, rail joint maintenance, track alignment and gage, track surface, turnouts, and roadway maintenance. This course prepares students for entry-level positions in railway track work. Per California Code of Regulations, this course is limited to students admitted to the Track Worker Apprenticeship Program.

Grade Options

Pass/No Pass
Letter Grade

TRN 133 - Advanced Principles of Track Maintenance I

2.0 Units

Students are introduced to rail replacement, cutting and welding, turnouts and trackwork, track construction, railroad grade crossing, and management and security. This course prepares students for entry-level positions in railway track work. Per California Code of Regulations, this course is limited to students admitted to the Track Worker Apprenticeship Program.

Grade Options

Pass/No Pass
Letter Grade

TRN 134 - Advanced Principles of Track Maintenance II

2.5 Units

Students are introduced to operation work equipment, vegetation control, rail defects, track inspection, Federal Railroad Administration (FRA) track standards, and derailment work. This course prepares students for entry-level positions in railway track work. Per California Code of Regulations, this course is limited to students admitted to the Track Worker Apprenticeship Program.

Grade Options

Pass/No Pass
Letter Grade

TRN 141 - Principles of Electricity and Test Equipment

3.0 Units

This course covers the basic principles of electricity needed to safely and efficiently perform overhead line work, including proper use of electrical test equipment. Per California Code of Regulations, this course is limited to students admitted to the Overhead Line Core apprenticeship program at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 142 - Electrical Safety for the Trades

2.5 Units

This course covers basic principles of electricity and the potential dangers it can pose to humans. Safety topics include electrical hazards, use of electrical protective devices, and safe work practices around electricity. Per California Code of Regulations, this course is limited to students admitted to the Overhead Line Core apprenticeship program at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 143 - DC Theory and Power Components

2.0 Units

This course covers DC (Direct Current) theory and various power components used in overhead line work. Per California Code of Regulations, this course is limited to students admitted to the Overhead Line Core apprenticeship program at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 144 - Traction Power Safety Practices

2.5 Units

This course covers safe practices for the use of traction power systems. Per California Code of Regulations, this course is limited to students admitted to the Overhead Line Core apprenticeship program at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 151 - Overhead Line Worker Apprenticeship Fundamentals I

2.5 Units

This course covers high voltage, NFPA 70E, red tag power outage procedures, print reading and documentation, and hand and power tools. Per California Code of Regulations, this course is limited to students admitted to the Overhead Line Worker apprenticeship program at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 152 - Overhead Line Worker Apprenticeship Fundamentals II

2.5 Units

This course covers traction power tools and test equipment, traction power substations, power distribution and control, and overhead contact systems. Per California Code of Regulations, this course is limited to students admitted to the Overhead Line Worker apprenticeship program at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 153 - Overhead Line Worker Apprenticeship Fundamentals III

2.5 Units

This course covers fall protection, rigging and hoisting, hi-rail vehicles, bucket truck and bucket rescue, grounding, and confined space entry. Per California Code of Regulations, this course is limited to students admitted to the Overhead Line Worker apprenticeship program at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 154 - Catenary Safe Work Practices

5.0 Units

This course covers the hazards of working on overhead catenary lines, and how to effectively protect against them. Per California Code of Regulations, this course is limited to students admitted to the Overhead Line Worker apprenticeship program at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 155 - Mobile Crane - Boom Truck

2.0 Units

This course covers safe use of the mobile crane (boom truck). Per California Code of Regulations, this course is limited to students admitted to the Overhead Line Worker apprenticeship program at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 201 - Service Mechanic Orientation & Safety

2.5 Units

This course covers an orientation to VTA, the mechanic helper program, the shop floor, familiarization with the fleet, and electrical safety. Per California Code of Regulations, this course is limited to students admitted to the Service Mechanic apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 202 - Service Mechanic Tools & Fasteners

2.5 Units

This course focuses on tools and fasteners: correct work methods, care and selection of tools, common tools and uses, and common fasteners and uses. Per California Code of Regulations, this course is limited to students admitted to the Service Mechanic apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 203A - Service Mechanic Electrical Electronics 1

2.5 Units

This course covers direct current, circuits, Ohm's Law, and Watt's Law. Per California Code of Regulations, this course is limited to students admitted to the ServiceMechanic apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 203B - Service Mechanic Electrical Electronics 2

2.5 Units

This course covers batteries, starters, and the ATEC course on wiring, circuits, and schematics. Per California Code of Regulations, this course is limited to students admitted to the Service Mechanic apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

Course Advisory and Requisites

Advisory: TRN 203A

TRN 204 - Service Mechanic Air Brakes

2.5 Units

This course introduces students to the air brake system used on VTA buses. Classroom theory on brake systems along Federal Motor Vehicle Safety Standards (FMVSS) will be emphasized. Topics include: air foundation brakes, air supply system, air service circuits, special circuits, and mechanical components. Per California Code of Regulations, this course is limited to students admitted to the Service Mechanic apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 205 - Service Mechanic: Transmission

2.5 Units

This course covers transmission, including safety, driveline checks, hydraulics, and other related topics. Per California Code of Regulations, this course is limited to students admitted to the Service Mechanic apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 206 - Service Mechanic: Diesel Engine

2.5 Units

This course focuses on diesel engine theory and components. Per California Code of Regulations, this course is limited to students admitted to the Service Mechanic apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 207 - Service Mechanic: Hybrid Familiarization

2.5 Units

This course focuses on hybrid engine systems and the different ways to work with them vs. traditional diesel engines. Per California Code of Regulations, this course is limited to students admitted to the Service Mechanic apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 208 - Service Mechanic: IO Controls

2.5 Units

This course focuses on Input/Output controls found on hybrid vehicles (onboard computer). Per California Code of Regulations, this course is limited to students admitted to the Service Mechanic apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 209 - Service Mechanic Preventative Maintenance - PMI

2.5 Units

This course focuses on preventative maintenance practices, such as routine inspections. Per California Code of Regulations, this course is limited to students admitted to the Service Mechanic apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 210 - Service Mechanic Overhaul & Repair Orientation

2.5 Units

This course focuses on an overview of the Overhaul and Repair Department at public transit agencies. Per California Code of Regulations, this course is limited to students admitted to the Service Mechanic apprenticeship programs at Santa Clara Valley Transportation Authority.



Grade Options

Pass/No Pass
Letter Grade

TRN 301 - The Art of Training for Transit I

2.0 Units

This course is part of the Art of Training for Transit series designed for transit trainers to achieve personal mastery in the three keys of teaching artistry: Preparation, Teaching, and Reflection. Students will learn the characteristics of a professional trainer and the fundamentals of instructional design. Students will build their skills through practical labs and written journals throughout the course. This course, as part of the Art of Training for Transit series, is appropriate for both new trainers and experienced trainers, especially those who teach in transit apprenticeships or other formal training programs.

Grade Options

Pass/No Pass
Letter Grade

TRN 302 - The Art of Training for Transit II

2.0 Units

This is an intermediate level course of a three-course series designed for transit trainers to advance their mastery in the three keys of teaching artistry: Preparation, Teaching, and Reflection. Students will advance their skills in self-assessment/reflection and build a personal system of continuous learning. Students will learn multiple teaching modalities and use of instructional software through practical labs and written journals throughout the course. Students will also explore student assessment and classroom management techniques geared to intermediate/advanced topics classes. This course, as part of the Art of Training for Transit series, is appropriate for trainers with at least one year of teaching experience, especially those who teach in transit apprenticeships or other formal training programs.

Grade Options

Pass/No Pass
Letter Grade

Course Advisory and Requisites

Prerequisite: TRN 301

TRN 303 - The Art of Training for Transit III

2.0 Units

This is an advanced level course of a three-course series designed for transit trainers to advance their mastery in the three keys of teaching artistry: Preparation, Teaching, and Reflection. Students will evaluate and help refine teaching styles, approaches, and assessment tools of other instructors in their training department/section, using the course content from TRN 301 and TRN 302. Students will learn effective mentoring and coaching skills for a training department/section. This course is appropriate for trainers with at least two years of teaching experience, especially for those who play a lead role or teach in transit apprenticeships or other formal training programs.

Grade Options

Pass/No Pass
Letter Grade

Course Advisory and Requisites

Prerequisite: TRN 301 and TRN 302

TRN 401 - Coach Operator New Operator Training I

2.0 Units

This classroom/lab instruction course for Coach Operator Apprentices focuses on DMV legal regulations as they apply to the mass transit industry. Per California Code of Regulations, this course is limited to students admitted to the Coach Operator apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

TRN 402 - Coach Operator: New Operator Training II

5.0 Units

This classroom/lab instruction course for Coach Operator apprentices focuses on transit operations - rules and regulations, and processes. Apprentices also complete training in the field. Per California Code of Regulations, this course is limited to students admitted to the Coach Operator apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass
Letter Grade

Course Advisory and Requisites

Advisory: TRN 401



TRN 403 - Coach Operator: New Operator Training III

1.0 Units

This classroom instruction course for Coach Operator apprentices focuses on customer service, internal relationships between departments, and personal well-being. Per California Code of Regulations, this course is limited to students admitted to the Coach Operator apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: TRN 401

TRN 404 - Coach Operator: New Operator Training IV

1.0 Units

This classroom instruction course for Coach Operator Apprentices focuses on safety and security while driving. Per California Code of Regulations, this course is limited to students admitted to the Coach Operator apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: TRN 401

TRN 405 - Coach Operator: New Operator Training V

1.0 Units

This classroom instruction course for Coach Operator Apprentices focuses on technical proficiency with coach equipment, troubleshooting, and vehicle inspection. Per California Code of Regulations, this course is limited to students admitted to the Coach Operator apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Advisory: TRN 401

TRN 421 - Transit Dispatching and Radio Communications

8.0 Units

This intensive course covers the combined classroom and field training sections of Transit Radio Dispatcher (TRD) training. Per California Code of Regulations, this course is limited to students admitted to the Transit Radio Dispatcher apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass

Letter Grade

TRN 441 - Business Technology and Writing for Supervisors

1.0 Units

This course covers fundamental technology skills necessary for supervisory roles in today's public transit agencies, including the use of Microsoft Office applications and e-mail systems. Other topics include the basics of professional written communications in a business environment. Per California Code of Regulations, this course is limited to students admitted to the Transit Supervisor apprenticeship programs at Santa Clara Valley Transportation Authority.

Grade Options

Pass/No Pass

Letter Grade

TRN 501 - Light Rail Operator Safety Certification

2.0 Units

This course is part of VTA's Light Rail Safety Certification program, which is required for employees that will perform work in a rail environment. The Light Rail Safety Certification program introduces employees to rail nomenclature and builds a safety foundation that meets the requirements identified by VTA and the California Public Utilities Commission (General Orders 175-A, 172 and 143-B).

Grade Options

Pass/No Pass

Letter Grade

TRN 502 - Light Rail Operator Yard Certification

2.0 Units

This course is part of VTA's Light Rail Yard Operation Certification program, which is required for employees that will operate light rail vehicles within the Guadalupe Yard limits. The Light Rail Yard Operation Certification program introduces employees to VTA's Kinkisharyo light rail vehicle. Employees will learn about the operations of the vehicle, various components and operating rules. This training meets the requirements identified by VTA and the California Public Utilities Commission (General Order 143-B).

Grade Options

Pass/No Pass

Letter Grade

TRN 503A - Light Rail Infrastructure: Mainline Operation Certification

2.5 Units

This course is part of the VTA Light Rail Mainline Operation Certification program, which is required for employees that will operate light rail vehicles beyond the Guadalupe Yard. The Light Rail Mainline Operation Certification program focuses on the infrastructure found on VTA's mainline and familiarizes employees with requirements to safely navigate through them. This training meets the requirements identified by VTA and the California Public Utilities Commission (General Order 143-B).

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: TRN 501 and TRN 502

TRN 503B - Light Rail Infrastructure: Blue Line Familiarization

2.5 Units

The Light Rail Infrastructure Blue Line Familiarization course is required for VTA employees that will operate light rail vehicles beyond in revenue service between the Santa Teresa Terminal and Baypointe Terminal. The Blue Line Familiarization focuses on the specific infrastructure found on the blue-line; employees will learn the requirements to safely navigate a Light Rail Vehicle(LRV) through this route. This training meets the requirements identified by VTA.

Grade Options

Pass/No Pass
Letter Grade

Course Advisory and Requisites

Prerequisite: TRN 501 and TRN 502 and TRN 503A

TRN 503C - Light Rail Infrastructure: Orange Line Familiarization

2.5 Units

The Light Rail Infrastructure: Orange Line Familiarization course is required for employees that will operate light rail vehicles beyond in revenue service between the Alum Rock Terminal and Mountain View Terminal. The Orange Line Familiarization focuses on the specific infrastructure found on the orange line, employees will learn the requirements to safely navigate a LRV through this route. This training meets the requirements identified by VTA.

Grade Options

Pass/No Pass
Letter Grade

TRN 503D - Light Rail Infrastructure: Green Line Familiarization

2.5 Units

The Light Rail Infrastructure Green Line Familiarization course is required for VTA employees that will operate light rail vehicles in revenue service between the Winchester Terminal and Old Ironsides Terminal. The Green Line Familiarization focuses on the specific infrastructure found on the green line; employees will learn the requirements to safely navigate a LRV through this route. This training meets the requirements identified by VTA.

Grade Options

Pass/No Pass
Letter Grade

Course Advisory and Requisites

Prerequisite: TRN 501 and TRN 502 and TRN 503A and TRN 503B and TRN 503C

TRN 504 - Light Rail Train Operations

2.0 Units

Light Rail Train Operations is a capstone course that builds on the TRN 501-503 series. It focuses on the student's ability to apply the rules, regulations, standard operating procedures, and their LRV/ light rail system knowledge through intensive operations training with instructors in the field. This training meets the requirements identified by VTA.

Grade Options

Pass/No Pass
Letter Grade

Course Advisory and Requisites

Prerequisite: TRN 501 and TRN 502 and TRN 503A and TRN 503B and TRN 503C and TRN 503D

TRN 010 - Introduction to Transit Industry Careers

1.0 Units

This course provides an introduction to the wide variety of professions available in the public transit industry. Students will gain an understanding of the various departments and career pathways within the public transit industry and determine whether public transit is a potential career path to pursue.

Grade Options

Pass/No Pass
Letter Grade

Vietnamese (VIE)

VIE 001 - First Semester Vietnamese (Elementary Level)

5.0 Units

This course covers fundamental vocabulary and basic grammatical structures of the Vietnamese language for daily social situations. Students learn the tonal system of the Vietnamese language and to pronounce the different tones of this language with an acceptable level of accuracy. The course emphasizes listening, speaking, reading, and writing.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

• Area 6 - Language other than English
California State University General Education-Breadth (CSU GE-B)

• Area C2 - Humanities

AA/AS General Education Requirements.

• A-3 - Arts & Humanities

Grade Options

Pass/No Pass
Letter Grade



VIE 002 - Second Semester Vietnamese

5.0 Units

Vietnamese 002 is a continuation of Vietnamese 001. The student acquires the basic skills for communication in Vietnamese: listening, speaking, reading, and writing in various daily social and cultural situations. The student is exposed to a general overview of Vietnamese civilization and culture.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
 - Area 6 - Language other than English
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
- AA/AS General Education Requirements.
- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: VIE 001 or two years of high school Vietnamese or equivalent.

VIE 049A - Vietnamese for the Vietnamese-Speaking

3.0 Units

This course presents a comparison between the Vietnamese spoken in the U.S. and the formal written and spoken Vietnamese language. Emphasis is on the study of Vietnamese culture, society, and history. This course includes studying the accomplishments of the Vietnamese both in Vietnam and in the U.S. This course is taught primarily in Vietnamese.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
- AA/AS General Education Requirements.
- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

VIE 049B - Vietnamese Language and Culture for Fluent Speakers

3.0 Units

This course, designed for those whose first language is Vietnamese, is a continuation of Vietnamese 049A. It consists of three segments: language, culture, and Vietnamese-Americans. The course includes (1) a further study of the language and the different styles of writing; (2) a detailed examination of the distinctive features of the Vietnamese culture through readings in Vietnamese poetry; and (3) a study of the accomplishments of the Vietnamese in their home country and in the U.S.

Transferability and General Education

Transferable to both UC and CSU

Intersegmental General Education Transfer Curriculum (IGETC)

- Area 3B - Humanities
 - Area 6 - Language other than English
- California State University General Education-Breadth (CSU GE-B)
- Area C2 - Humanities
- AA/AS General Education Requirements.
- A-3 - Arts & Humanities

Grade Options

Pass/No Pass

Letter Grade

Course Advisory and Requisites

Prerequisite: VIE 049A

Work Experience (WRK)



WRK 300CD - Occupational Work Experience for Child Development

3.0 Units

This course is designed for students working in the early childhood special education field (birth-age 5). It is a fixed, 3-unit course as part of the Early Intervention Certificate. The student is required to attend an orientation at the beginning of the course. One semester unit of credit will be awarded for every 54 hours of work experience. Note: Students must be working in a job or volunteer position related to early childhood special education.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: CHD 001 and CHD 002 and CHD 010 and CHD 017 and CHD 020 and CHD 024 and CHD 025 and HOC 004

WRK 300FP - Occupational Work Experience for Fire Prevention Internship

2.0 - 3.0 Units

This Work Experience course is part of the Fire Prevention Internship Program and accompanies FPT 300A, 300B, 300C and 300D. This course requires that students apply for and are admitted to a paid internship with a fire agency, and students may have to meet eligibility requirements for the internship that may vary according to the agency. Fire Prevention Interns will complete 10-14 hours paid employment per week at a fire agency, Monday through Friday during normal business hours. Interns may be assigned to 2 different agencies. Units vary between 2 units for

10 hours (108 hours total) to 3 units for 14 hours (172 hours). one semester unit of credit will be awarded for every 54 hours of work experience. According to CCR Title 5, section 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job in the fire prevention and fire service industries. The course provides students with a structured program designed to teach them new soft and employability skills that assist them in advancing in their current position or securing a job in the future. The student is required to attend an orientation at the beginning of the course and complete a minimum of 54 hours for paid work for each unit earned per semester. Students can earn a maximum of 8 units per term. Students may earn a maximum of 16 units of occupational work experience during their community college attendance. Only one Work Experience course may be taken per semester. Note: Students must be working in a job or volunteer position related to their major.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade

Course Advisory and Requisites

Prerequisite: FPT 055 or FPT 301

WRK 300GW - General Work Experience

1.0 - 4.0 Units

General Work Experience provides an opportunity for students to earn college credit for on-the-job training in a paid or volunteer position. The student will be required to attend orientation at the beginning of the course. One semester unit of credit will be awarded for every 54 hours of work experience. Students may enroll in a maximum of 8 units of work experience per term, for a total maximum of 16 units of general work experience during their community college attendance. Note: Students must be working in a paid job or volunteer position prior to starting the course.

Transferability and General Education

Transferable to CSU only

Grade Options

Letter Grade

Pass/No Pass

WRK 300HM - Occupational Work Experience for Hospitality Management

1.0 - 8.0 Units

According to Title 5 education code, section 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in a paid or unpaid job in the food service, hospitality and restaurant industries. The course provides students with a structured program designed to teach them new soft and employability skills that assist them in advancing in their current position or securing a job in the future. The student is required to attend an orientation at the beginning of the course. One semester unit of credit will be awarded for every 54 hours of work experience. Students can earn a maximum of 8 units per term. Students may earn a maximum of 16 units of occupational work experience during their community college attendance. Only one Work Experience course may be taken per semester. Note: Students must be working in a job or volunteer position related to their major.

Transferability and General Education

Transferable to CSU only

Grade Options

Pass/No Pass

Letter Grade

WRK300TM - Occupational Work Experience for Mechatronics Technology

4 Units

This course is designed for students working in the Mechatronics industry. The student is required to attend an orientation at the beginning of the course. One semester unit of credit will be awarded for every 54 hours of work experience. Students may earn a maximum of 16 units of occupational work experience during their community college attendance. Note: Students must be working in a job or volunteer position related to the Mechatronics industry.

Grade Options

Letter Grade

Pass/No Pass

WRK300TN - Occupational Work Experience for the Transportation Industry

1.0 - 8.5 Units

According to Title 5 education code, section 55252, Occupational Work Experience Education is supervised employment extending classroom - based occupational learning at an on-the-job learning station related to the student's educational or occupational goal. This course is designed for students working in the mass transit industry. The student is required to attend an orientation at the beginning of the course. One semester unit of credit will be awarded for every 54 hours of work experience. Students may earn a maximum of 16 units of occupational work experience during their community college attendance. Note: Students must be working in a job or volunteer position related to the mass transit industry.

Grade Options

Letter Grade

Pass/No Pass



Rights, Responsibilities, and Regulations



Mission College promotes a welcoming and safe learning environment for all who visit our campus or take part in our online activities or classes. As members of this community, each individual must fulfill certain responsibilities, while having assurance that rights are protected. Guided by state and federal laws and the state education code district governing board policies and procedures establish the responsibilities and rights of community members. In addition, they establish grievance and due process procedures which are followed when violation of responsibilities or rights is in question.

Complete Policies and Procedures

In this section key district policies are summarized. For complete details review the policies at go.boarddocs.com/ca/wvm/Board.nsf/vpublic?open.

This catalog contains accurate information at the time of publication. However, policies are updated regularly, so please consult the website to ensure you have the most up-to-date policy information.

Academic Honesty

Academic Honesty is the pursuit of scholarly activity in an honest and responsible manner. All students should act with honesty, personal integrity and civility, and should respect other students' dignity, rights, and property. All academic work will be done by the individual to whom it is assigned, without unauthorized aid of any kind. The District expects students to conduct themselves in a manner consistent with the educational purposes of the college.

Violations of Academic Honesty include but is not limited to:

- In-class cheating: during an examination or on any work for which the student will receive a grade or points, unauthorized looking at or procuring information from any unauthorized sources, or any other student's work.
- Out-of-class cheating: unauthorized acquisition, reading, or knowledge of test questions prior to the testing date and time; changing any portion of a returned graded test or report and resubmitting it as original work to be regraded; or presenting the work of another as one's own for a grade or points.

- Plagiarism: unauthorized use or expression of ideas from either published or unpublished work(s) as a student's own work for a grade in a class. This also includes the violation of copyright laws, including the copying of software packages.
- Furnishing false information: forgery, falsification, alteration or misuse of College documents, records, or identification in class or in laboratory situations.

Violations of Academic Honesty

When a student is charged with a violation of academic honesty and the instructor has reasonable proof or documentation, or the student admits the violation, the instructor will proceed with the following:

The instructor may select one or more of the following options:

- Issue an oral or written notification and warn the student that further acts of this sort will result in additional disciplinary action.
- Issue an NP or a failing grade ("F") or "0" for the assignment in question
- Refer the student to the Vice President of Student Services for disciplinary action.

Campus Safety

Notification of Crime and Safety Issues on Campus

In accordance with the Clery Act, the college will publish an Annual Security Report every year by October 1, which contains statistics regarding crimes committed on campus and at affiliated locations for the previous three years. The Annual Security Report will also include policies pertaining to campus security, alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, victims' assistance programs, student discipline, campus resources, and other matters. The college will also provide prospective students and employees with a copy of the Annual Security Report upon request. A copy of the Annual Security

Report can be obtained by contacting the District Police business office at 14000 Fruitvale Ave., Saratoga, CA 95070, or on our district website at www.wvm.edu/police.

Please note: Education Code Section 67380 defines 'hate violence' as: 'any act of intimidation or physical harassment, physical force or physical violence, or the threat of physical force or physical violence, that is directed against any person or group of persons or the property of any person or group of persons because of the ethnicity, race, national origin, sex, sexual orientation, gender identity, gender expression, disability, or political or religious beliefs of that person or group.'

Section 67380 requires the reporting of both occurrences reported to campus police or safety authorities and arrests for crimes that involve hate violence (Section 67380(a)(1)(A)) and 'non-criminal acts of hate violence' (Education Code Section 67380(a)(1)(B)). For the purposes of reporting under the Clery Act, 'hate crimes' include domestic violence, dating violence, and stalking.

The college will publish warnings to the campus community about crimes when they are considered to represent a serious or continuing threat. If a situation arises, either on or off campus, that, in the judgment of the District Police Department, constitutes an ongoing or continuing threat, a campus wide "timely warning" will be issued.

The warning will be issued in such a manner that it is reasonably likely to reach the entire campus community. This may include, but is not limited to, the use of the college email system to students, faculty, and staff; campus websites; and flyers. The information will be disseminated by the District Police Department in a manner that aids the prevention of similar crimes. If there is an immediate threat to the health or safety of students or employees occurring on campus, the college will follow its emergency notification procedures.

Reporting a Crime

Members of the West Valley-Mission Community College District who are witnesses to or victims of a crime should immediately report the crime to the appropriate law enforcement authorities.

For All Emergencies or to Report a Crime in Process, dial 911.

If you have an emergency and are using a cellular phone, dial 408-299-3233 (Santa Clara County Communications Dispatch Center, 24 hours a day) and ask for a West Valley-Mission District police officer.

To report a non-emergency or a prior criminal incident that would require the assistance of a police officer, contact the Santa Clara County Communications Dispatch Center by dialing 408-299-2311 (24 hours a day). Request a West Valley-Mission Community College District Police Officer. Any suspicious activity or person seen on or near campus, including in the parking lots or loitering around vehicles or inside buildings, should be reported to the police department.

The District Police Department encourages anyone who is the victim or witness to any crime to promptly report the incident to the police. Because police reports are public records under state law, the District Police Department cannot hold every crime report in confidence. However, the identity of victims involved in particular crimes, such as sexual assault, can be protected upon request of the victim.

Confidential reports, for purposes of inclusion in the annual disclosure of crime statistics, can generally be made to other campus security authorities as identified below. Confidential reports of crime may also be made to the District Human Resources

Department (for employees), the Vice President of Student Services (for students), or Health Services on either campus.

If you are the victim of a crime and do not want to pursue action within the District's system or through the criminal justice system, you may still want to consider making a confidential report. With your permission, the Human Resources Department (employees) or the Vice President of Student Services (students) can file a report on the details of the incident without revealing your identity.

With such information, the college can keep an accurate record of the number of incidents involving students, determine where there is a pattern of crime with regard to a particular location, method, or assailant, and alert the campus community to potential danger. As required by law, reports filed in this manner are counted and disclosed in the annual crime statistics for the institution.

The college will instruct members of the District Police Department to notify students and employees who complain of sexual violence of their right to file a sex discrimination complaint with the District in addition to filing a criminal complaint.

Complete district policies regarding campus safety and crime, in particular AP 3500 (Campus Safety), BP/AP 3505 (Emergency Response Plan), and Reporting of Crimes (AP 3500), can be found at go.boarddocs.com/ca/wvm/Board.nsf/vpublic?open.

This catalog contains accurate information at the time of publication. However, policies are updated regularly, so please consult the website to ensure you have the most up-to-date policy information.

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Free Speech on Campus

In accordance with Education Code section 76120, the students and employees of the District and members of the public shall be permitted to exercise their rights of free expression subject to the time, place, and manner policies and procedures contained in Board Policy 3900 and these procedures.

The college president has designated campus areas available for student expressive activity and the required time, place, and manner regulations applicable to the exercise of free expression by students. At Mission college, the area adjacent to the campus Central Plaza and Central Plaza fountain has been designated as the free speech area. The identified Free Speech areas available to all persons for First Amendment activities, including the distribution of free literature or materials, and obtaining petition signatures.

The designated area was chosen so as to provide visibility and allow communication to a large number of students, administrators, faculty, and others walking or traveling on campus but also so as not to disrupt educational and other activities of the District on behalf of students.

The use of these designated areas for expressive activities shall be lawful, in accordance with District policy, and subject to the following:

- No person using the areas shall touch, strike, or physically impede the progress of passersby, except for incidental or accidental contact or contact initiated by a passerby.
- Persons using areas shall not use any means of amplification that creates a noise or diversion that disturbs the orderly conduct of the campus or classes taking place at that time.
- Persons using the areas reserved for expressive activities shall not disrupt classes and the orderly operation of the college.

- The college has copies of this Administrative Regulation, copies of the campus time, place and manner regulation, and copies of the campus map identifying the FSA(s) and areas available for student expressive activity on hand at all times. Copies of this Administrative Regulation, the campus map, and the campus regulation shall be provided to persons seeking to use these areas.

Accessing the Free Speech Area

Any visitor (defined as any persons unaffiliated with WVMCCD) seeking access to a College's Free Speech Area(s) shall first report his/her/their presence to the Office of Student Services, or similar office, identified on the campus map. The visitor or organization representative shall be provided:

1. a copy of this Administrative Procedure on Free Speech;
2. a copy of the campus time, place, and manner regulation; and
3. a copy of the campus map. The visitor or organization representative shall be asked to complete a "Voluntary Acknowledgement Form." Representatives of organizations will also be asked to identify the organization and indicate the number of people expected to visit the Free Speech Area(s).

Completing the "Voluntary Acknowledgement Form" is completely voluntary. No person or organization will be denied access to the FSA(s) for refusing to complete the "Voluntary Acknowledgement Form." The form is not a permit to use the Free Speech Area. The information provided on the form will be used to document your presence on campus, assess the need for security, and address capacity issues and overcrowding.

Posting

Bulletin boards shall be provided for use in posting materials at campus locations convenient for use by students, staff, and



members of the public. All materials displayed on a bulletin board shall clearly indicate the author or agency responsible for its production and shall be dated with the date of posting by the student activities office. Materials displayed shall be removed after the passage of twenty days.

The complete district policy regarding Free Speech on campus AP 3900 (Speech: Time, Place, and Manner) can be found at go.boarddocs.com/ca/wvm/Board.nsf/vpublic?open.

This catalog contains accurate information at the time of publication. However, policies are updated regularly, so please consult the website to ensure you have the most up-to-date policy information.

Grievances and Complaints

The college is committed to providing any student with an opportunity to request an investigation if they reasonably believe a college decision or action has adversely affected their status, rights, or privileges as a student. The procedures will include, but not be limited to, grievances regarding:

- Sex discrimination as prohibited by Title IX of the Higher Education Amendments of 1972.
- Sexual harassment.
- Financial aid.
- Illegal discrimination.
- Course grades/Academic issues.
- The exercise of rights of free expression protected by state and federal constitutions and Education Code Section 76120.

Academic Grievance

An academic grievance may be filed when a student feels that a faculty member has violated state or federal law, or college or district policies and procedures relative to grading or other academic areas. All grade appeals are first handled with the specific instructor. If no satisfactory resolution is determined, then the grievance may be taken to college administration.

Students must be aware that the Education Code provides that all grades awarded by the instructor of record will be final. The California Code of Regulations, Title 5 Section 55760, permits a grievance to be filed with respect to grading only in situations where a grade was assigned due to mistake, fraud, bad faith, or incompetence. Students who wish to have an academic grievance addressed by college administration should file an "Incident Report" at MissionCollege.edu/Report and indicate an "Instructional Matter" as the nature of the grievance.

Grade Change Appeals

1. A student should submit his/her request in writing directly to the faculty member within one year after completing the course for which the grade change is being requested.
2. If the faculty member is not available, the student may submit his/her request through the college grade change process. Only the faculty member that assigned the original grade or the appropriate Dean may authorize a change of grade.
3. If there are verifiable extenuating circumstances that precluded the student from making a request within one year, the student may submit a request through the college student petition process; however, a request for change of grade may not be initiated beyond two years after completion of the course.

4. Requests that involve changing an evaluative grade (A, B, C, D, F, CR, NC) to a non-evaluative grade (W) can be done only if extenuating circumstances apply. The determination of the student's grade by the instructor will be final in the absence of mistake, fraud, bad faith, or in competency.
5. If a grade change is awarded, students will be notified when the grade change has been posted.

Title IX Grievances: Sexual Harassment, Discrimination, and Assault

Title IX Coordinator

Dr. Omar R. Murillo, Vice President, Student Services

(408) 855-5195

Campus Center, Room 222

TitleIX@missioncollege.edu

Mission College takes all complaints of sexual harassment and sexual violence very seriously. For victims or those who have witnessed a violation to come forward and file a complaint, please contact the Title IX Coordinator.

Anyone who files a sexual harassment or sexual violence complaint is protected from all forms of retaliation, and the College will ensure that intimidation, threats, coercion, or discrimination does not occur. Students, faculty, and staff who participate in a Title IX investigation or advocate for a victim are also protected from retaliation.

If you have been the victim of sexual harassment or sexual assault, or you know of someone at the college who has been a victim, please report this to the Title IX team so we can take actions to help and stop future incidents of harassment and violence.

An individual who participates as a Complainant or witness in an investigation of sexual misconduct, including but not limited to assault, domestic violence, dating violence, or stalking will not be subject to disciplinary sanctions for a violation of the District's student conduct policy, including the student victim or witnesses own drug or alcohol use, 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.

Students reporting sex-based discrimination, sexual harassment, sexual assault, intimate partner violence, stalking, or any other type of sexual misconduct should contact the Title IX Coordinator or complete the Title IX Complaint form at missioncollege.edu/report.

Other Grievances

General Grievances may be filed by a student who feels an action of a faculty or staff member, administrator, office, or group violates existing College or District rules, policies, or procedures; or other local, State, or Federal laws. A grievance may arise from a decision or action that has an adverse effect on a student with respect to his/her education rights. It may arise when a student believes he/she has been denied education rights provided by college, state and federal policies, rules, or laws.

Any student who believes he/she has a grievance will file a grievance by submitting an "Incident Report" (missioncollege.edu/report) Each student who has a grievance will make a reasonable effort to resolve the matter on an informal basis prior to requesting a grievance hearing, and will attempt to solve the problem with the person with whom the student has the grievance, that person's immediate supervisor, or the local college

administration. The Vice President of Student Services serves as the Grievance Officer who will assist students in seeking resolution by informal means.

The Grievance Officer and the student may also seek the assistance of the Associated Student Organization in attempting to resolve a grievance informally. Informal meetings and discussion between persons directly involved in a grievance are essential at the outset of a dispute and should be encouraged at all stages. An equitable solution should be sought before persons directly involved in the case have stated official or public positions that might tend to polarize the dispute and render a solution more difficult.

Any student who believes he/she has a grievance will file a Statement of Grievance with the Grievance Officer within ten (10) days of the incident on which the grievance is based. The Statement of Grievance must be filed whether or not the student has already initiated efforts at informal resolution, if the student wishes the grievance to become official.

Two days following receipt of the Statement of Grievance Form, the Grievance Officer will advise the student of their rights and responsibilities under these procedures, and assist the student, if necessary, in the final preparation of the Incident Report form.

The determination of whether the grievance presents sufficient grounds for a hearing will be based on the following:

- The statement contains facts which, if true, would constitute a grievance under these procedures;
- The grievant is a student as defined in these procedures, which include applicants and former students;
- The grievant is personally and directly affected by the alleged grievance;
- The grievance was filed in a timely manner;
- The grievance is not clearly frivolous, clearly without foundation, or clearly filed for purposes of harassment.

Grievance Procedure

Resolution of general grievances is governed by the grievance procedure indicated in District policy.

Step 1. The complainant will first attempt to resolve his/her grievance by discussion with the person or group directly involved in the matter within five (5) working days after the occurrence of the alleged grievance.

Step 2. If the issue is not resolved to the satisfaction of the complainant, there will be a conference within five (5) working days of Step 1. This conference will include the principals involved i.e., the complainant, the accused, and the immediate supervisor. Prior to arranging the meeting, the supervisor will check with the accused to ensure that the complainant has met with the accused. The supervisor will hear from both parties and seek to resolve the matter. The supervisor will then provide a written summary of findings to the Vice President of Student Services, complainant and respondent.

Step 3. If the issue has not been resolved satisfactorily after the complainant has completed the procedures outlined in Step 1 and Step 2, the complainant will declare that a grievance exists and will submit a written statement to the Vice President of Student Services. The grievance must be submitted on the Incident Report Form within five (5) working days of Step 2. The form can be accessed at the following link: missioncollege.edu/report

Step 4. With the receipt of the complainant's written grievance and the supervisor's Summary of Findings, the Vice President of Student Services will ensure that the grievance issues contained on the complainant's Grievance Form are consistent with those

issues contained in the supervisor's Summary of Findings. The Vice President of Student Services may dismiss a grievance that has been determined to be inconsistent.

Step 5. If needed, the Vice President of Student Services will set the time, date, and location for a formal grievance hearing. The hearing will be held within ten (10) working days of the grievance being submitted.

Grievance Hearing

1. The grievance hearing will involve the complainant, the accused, the appropriate supervisor, and the Vice President of Student Services. The principals involved in the matter may have one representative present at the grievance hearing.
2. Individuals participating in the grievance hearing will discuss the charge(s), hear testimony, receive all available evidence pertaining to the charge(s), and when appropriate, examine witnesses. Either party will be notified in advance of the hearing if witnesses will be present.
3. The complainant will bear the burden of proof.
4. The Vice President of Student Services will judge the testimony and evidence and limit the investigation strictly to the complainant's charge(s).
5. A record of the proceedings will be maintained by the Vice President of Student Services. A transcript of the hearing will be provided to the complainant and to the accused.
6. Within ten (10) working days after the grievance hearing, the Vice President of Student Services will submit his/her recommendation(s) to the President. If the President is involved in the dispute, the recommendation(s) will be forwarded to the District Governing Board.
7. Within five (5) working days of the receipt of the Vice President of Student Service's recommendation, the President will render a decision and will forward it to the complainant and to the accused.

Appeal Procedure

The complainant or accused may appeal the President's decision to the WVMCCD Chancellor. The appeal will be considered by the Chancellor. All final appeals will be brought before the District Governing Board by the Chancellor.

All records of the grievance proceedings will be retained in a grievance system by the Vice President of Student Services. Only the principals, who are directly involved in the grievance, the President, the Vice President of Instruction, the Vice President of Student Services, and the appropriate campus supervisor, will have access to the file.

Complete district policy regarding complaints and grievances, AP 5530 (Student Rights), AP 3435 (Discrimination and Harassment Investigations), and AP 3540 (Sexual and other Assaults) can be found at go.boarddocs.com/ca/wvm/Board.nsf/vpublic?open.

This catalog contains accurate information at the time of publication. However, policies are updated regularly, so please consult the website to ensure you have the most up-to-date policy information.

Harassment and Bullying

Environment Free from Harassment

The college is committed to providing an academic and work

environment free of harassment prohibited by law. District policy defines sexual harassment and other forms of harassment on campus and sets forth a procedure for the investigation and resolution of complaints of harassment by or against any staff or faculty member or student within the District.

The policy and related procedure protect students and employees in connection with all the academic, educational, extracurricular, athletic, and other programs of the college, whether those programs take place in the college's facilities, a college bus, or at a class or training program sponsored by the college at another location.

Harassment based on race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, or sexual orientation of any person, or military and veteran status, or the perception that a person has one or more of these characteristics violates District policy and may be illegal.

Harassment occurs when the incidents, in aggregate, are sufficiently pervasive, persistent, or severe that a reasonable person with the same characteristics as the victim of the harassing conduct would be adversely affected to a degree that interferes with their ability to participate in or to realize the intended benefits of an institutional activity, employment, or resource. Gender-based harassment does not necessarily involve conduct that is sexual.

Any hostile or offensive conduct based on gender can constitute prohibited harassment if it meets the definition above. For example, repeated derisive comments about a person's competency to do the job, when based on that person's gender, could constitute gender-based harassment.

Harassment comes in many forms, including but not limited to the following conduct that could, depending on the circumstances, meet the definition above, or could contribute to a set of circumstances that meets the definition:

Verbal - Inappropriate or offensive remarks, slurs, jokes, or innuendoes based on a person's race gender, sexual orientation, or other protected status. This may include, but is not limited to, inappropriate comments regarding an individual's body, physical appearance, attire, sexual prowess, marital status, or sexual orientation; unwelcome flirting or propositions; demands for sexual favors; verbal abuse, threats, or intimidation; or sexist, patronizing, or ridiculing statements that convey derogatory attitudes based on gender, race, nationality, sexual orientation, or other protected status.

Physical - Inappropriate or offensive touching, assault, or physical interference with free movement. This may include, but is not limited to, kissing, patting, lingering or intimate touches, grabbing, pinching, leering, staring, unnecessarily brushing against or blocking another person, whistling, or sexual gestures. It also includes any physical assault or intimidation directed at an individual due to that person's gender, race, national origin, sexual orientation, or other protected status.

Physical sexual harassment includes acts of sexual violence, such as rape, sexual assault, sexual battery, and sexual coercion. Sexual violence refers to physical sexual acts perpetrated against a person's will or where a person is incapable of giving consent due to the victim's use of drugs or alcohol. An individual also may be unable to give consent due to an intellectual or other disability.

Visual or Written - The display or circulation of visual or written material that degrades an individual or group based on gender, race, nationality, sexual orientation, or other protected status. This may include, but is not limited to, posters, cartoons, drawings, graffiti, reading materials, computer graphics, or electronic media transmissions.

Environmental – A hostile academic or work environment may exist where it is permeated by sexual innuendo; insults or abusive comments directed at an individual or group based on gender, race, nationality, sexual orientation, or other protected status; or gratuitous comments regarding gender, race, sexual orientation, or other protected status that are not relevant to the subject matter of the class or activities on the job. A hostile environment can arise from an unwarranted focus on sexual topics or sexually suggestive statements in the classroom or work environment. It can also be created by an unwarranted focus on, or stereotyping of, particular racial or ethnic groups, sexual orientations, genders, or other protected statuses.

An environment may also be hostile toward anyone who merely witnesses unlawful harassment in his/her immediate surroundings, although the conduct is directed at others. The determination of whether an environment is hostile is based on the totality of the circumstances, including such factors as the frequency of the conduct, the severity of the conduct, whether the conduct is humiliating or physically threatening, and whether the conduct unreasonably interferes with an individual's learning or work.

Sexual Harassment – In addition to sexual harassment based on hostile environment, "Quid pro quo" sexual harassment occurs when a person in a position of authority makes educational or employment benefits conditional upon an individual's willingness to engage in or tolerate unwanted sexual conduct. It may consist of unwelcome sexual advances, requests for sexual favors, and other verbal, visual, or physical conduct of a sexual nature made by someone from or in, the work or education setting when:

- submission to the conduct is explicitly or implicitly made a term or condition of an individual's employment, academic status, or progress;
- submission to, or rejection of, the conduct by the individual is used as a basis of employment or academic decisions affecting the individual;
- the conduct has the purpose or effect of having a negative impact upon the individual's work or academic performance, or of creating an intimidating, hostile or offensive work or educational environment (as more fully described below); or
- submission to, or rejection of, the conduct by the individual is used as the basis for any decision affecting the individual regarding benefits and services, honors, programs, or activities available at or through the community college.

Sexually harassing conduct can occur between people of the same or different genders. The standard for determining whether conduct constitutes sexual harassment is whether a reasonable person of the same gender as the victim would perceive the conduct as harassment based on sex.

Complete district policy regarding Harassment on campus AP 3430 (Prohibition of Harassment) and AP 5505 (Bullying and Harassment) can be found at go.boarddocs.com/ca/wvm/Board.nsf/vpublic?open.

Environment Free from Bullying

Mission College is committed to providing a respectful and professional educational environment and workplace for students, faculty, staff and third parties. Bullying fosters a climate of fear, disrespect, and low morale, which can seriously impair student and employee success. Respect for one another is fundamental to working together in a collegial, effective, and innovative manner. Disrespectful or unprofessional communications and behavior can disrupt the proper functioning of the academic environment.

Bullying is defined as unwelcome acts of an individual or group of individuals that are directed towards an individual or group

of individuals and are intended to humiliate, harass, mentally or physically injure, or intimidate others that is unrelated to the college's legitimate business and educational interests.

Bullying is abusive conduct, with malice, that a reasonable person would find hostile and offensive. Additionally, the behavior is sufficiently severe or pervasive to have a material and negative impact on a person's ability to participate in the learning or working environment of the College or District.

Bullying Behaviors

Bullying behaviors include, but are not limited to: **Physical Bullying:** striking, pushing, shoving, kicking, poking, or tripping another; assaulting or threatening physical assault; damaging a person's work area or personal property; or damaging or destroying a person's work product.&

Verbal/Written Bullying: ridiculing or name-calling, either verbally or in writing; addressing abusive or threatening remarks to a person; or attempting to exploit an individual's known intellectual or physical vulnerabilities or subordinate rank within a group, in ways that satisfy the definition of bullying described above.

Nonverbal Bullying: directing objectively threatening, humiliating, or intimidating gestures toward a person or invading personal space. Nonverbal bullying may also involve stalking, unconsented photography or recording of private acts, or the disclosure of private facts or images of a person as to which the person has a reasonable expectation of privacy.

Cyber Bullying: Bullying an individual using any electronic modality including, but not limited to, the Internet, interactive and digital technologies, social media, messaging, blogs, or mobile phones and other personal electronic devices. Cyber bullying may include verbal, written, or non-written bullying.

Mission College is committed to high standards of behavior whereby every person demonstrates through their conduct proper regard for the rights and welfare of others and seeks to promote civility among the members of the college community.

Complete district policy regarding bullying on campus AP 5505 (Bullying and Harassment) can be found at go.boarddocs.com/ca/wvm/Board.nsf/vpublic?open.

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Limitations of Harassment and Bullying

Consensual Relationships

Romantic or sexual relationships between supervisors and employees, or between administrators, faculty or staff members and students are discouraged. There is an inherent imbalance



of power and potential for exploitation in such relationships. A conflict of interest may arise if the administrator, faculty or staff member must evaluate the student's or employee's work or make decisions affecting the employee or student.

The relationship may create an appearance of impropriety and lead to charges of favoritism by other students or employees. A consensual sexual relationship may change, with the result that sexual conduct that was once welcome becomes unwelcome and harassing. In the event that such relationships do occur, the college has the authority to transfer any involved employee to eliminate or attenuate the supervisory authority of one over the other, or of a teacher over a student. Such action by the college is a proactive and preventive measure to avoid possible charges of harassment and does not constitute discipline against any affected employee.

Freedom of Expression and Social Interaction

Freedom of expression and thought are essential for a thriving academic community. Differences of opinion are protected at Mission College, in and out of the classroom. Discussion of an academic subject, even when the ideas are controversial, is protected. Disagreements and criticism, even when strongly asserted, are not bullying if they are aimed at ideas and actions, rather than at hurting or humiliating individuals. And while kindness and civility are virtues and aims of Mission College, not every unkind or uncivil remark or act is punishable.

Interactions sometimes result in hurt feelings. This is always unfortunate, but a social slight, criticism, or rebuff is not bullying unless it satisfies the criteria of bullying as defined above. This freedom of expression applies to all WVMCCD Trustees, administration, faculty, staff, students, contractors, consultants, and vendors.

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Right to Privacy/FERPA Annual Notification

The Family Educational Rights and Privacy Act

The Family Educational Rights and Privacy Act (FERPA), as amended, requires educational institutions to provide: access to official educational records directly related to the student; an opportunity for a hearing to challenge such records on the grounds that they are inaccurate, misleading, or otherwise inappropriate; that the college must obtain the written consent of the student before releasing personally identifiable information about the student except to those persons and agencies specified by the Act; and that these rights extend to present and former students of the college.

College documents are subject to the Family Educational Rights and Privacy Act (FERPA). Education records generally include documents and information related to admissions, enrollment in classes, grades, and related academic information. Educational records will be made available for inspection and review during regular working hours after receiving a written request from the student. If a student wishes to challenge any information in the educational record, the student will review their request with the Dean of Enrollment Services or their designee. The Dean will inform the student of the process and if needed assist the student in correcting the formal record.

The Act provides that the college may release certain types of Directory Information, unless the student submits in writing to the Records Officer that certain or all such information not be released without his/her consent. Directory Information at this college includes: (1) student name and city of residence, (2) participation

in recognized activities and sports, (3) dates of attendance, (4) degrees and awards received, (5) the most recent previous educational agency or institution attended (6) height and weight of members of athletic teams.

A copy of the college policy, The Family Educational Rights and Privacy Act (FERPA), Section 438 (P.L. 93-380), and other pertinent information is available for review and inspection in the Records office during normal working hours.

Student Code of Conduct

The college has established standards of conduct to promote and maintain interactions and behavior compatible with the college function as an educational institution. In addition, students are subject to state and federal laws and to the specific regulations established by the District and the college are subject to disciplinary action, including possible cancellation of registration, and may be denied future admission to the Colleges of the District. Criminal actions may also result in referral for prosecution.

The following conduct shall constitute good cause for discipline, including but not limited to, the removal, suspension, or expulsion of a student:

- Causing, attempting to cause, or threatening to cause physical injury to another person.
- Possession, sale or otherwise furnishing any firearm, knife, explosive or other dangerous object, including but not limited to any facsimile firearm, knife, or explosive, unless, in the case of possession of any object of this type, the student has obtained written permission to possess the item from a District employee, which is concurred in by the college president.
- Unlawful possession, use, sale, offer to sell, or furnishing, or being under the influence of, any controlled substance listed in Chapter 2 (commencing with Section 11053) of Division 10 of the California Health and Safety Code, an alcoholic beverage, or an intoxicant of any kind; or unlawful possession of, or offering, arranging or negotiating the sale of any drug paraphernalia, as defined in California Health and Safety Code Section 11014.5.
- Committing or attempting to commit robbery or extortion.
- Causing or attempting to cause damage to District property or to private property on campus.
- Stealing or attempting to steal District property or private property on campus, or knowingly receiving stolen District property or private property on campus.
- Willful or persistent smoking in any area where smoking has been prohibited by law or by regulation of the college or the District.
- Sexual assault or sexual exploitation regardless of the victim's affiliation with the District.
- Committing sexual harassment as defined by law or by District policies and procedures.
- Engaging in harassing or discriminatory behavior based on disability, sex, gender identity and expression, nationality, race or ethnicity, religion, sexual orientation, age, or any other status protected by law.
- Engaging in intimidating conduct or bullying against another student through words or actions, including direct physical contact; verbal assaults, such as teasing or name-calling; social isolation or manipulation; and cyberbullying.

- Willful misconduct, which results in injury or death to a student or to college personnel or which results in cutting, defacing, or other injury to any real or personal property owned by the District or on campus.
- Disruptive behavior, willful disobedience, habitual profanity or vulgarity, or the open and persistent defiance of the authority of, or persistent abuse of, college personnel.
- Cheating, plagiarism (including plagiarism in a student publication), or engaging in other academic dishonesty.
- Dishonesty, forgery, alteration, or misuse of college documents, records, or identification; or knowingly furnishing false information to the District.
- Unauthorized entry upon or use of college facilities.
- Lewd, indecent, or obscene conduct on District-owned or controlled property or at District-sponsored or supervised functions.
- Engaging in expression that is obscene, libelous, or slanderous; or which so incites students as to create a clear and present danger of the commission of unlawful acts on college premises, or the violation of lawful District administrative procedures, or the substantial disruption of the orderly operation of the District.
- Persistent, serious misconduct where other means of correction have failed to bring about proper conduct.
- Unauthorized preparation, giving, selling, transfer, distribution, or publication, for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction, including but not limited to handwritten, typed, or electronic class notes, except as permitted by any District policy or administrative procedures.

Complete district policy regarding complaints and grievances, AP 5500 (Standards of Conduct), can be found at go.boarddocs.com.

This catalog contains accurate information at the time of publication. However, policies are updated regularly, so please consult the website to ensure you have the most up-to-date policy information.

Student Discipline

Students who engage in behavior which violates the code of conduct are subject to the discipline process. The purpose of the discipline procedure is to provide a prompt and equitable means to address violations of the Standards of Student Conduct, which guarantees to the student, or students involved the due process rights guaranteed them by state and federal constitutional protections. This procedure will be used in a fair and equitable manner, and not for the purpose of retaliation. It is not intended to substitute for criminal or civil proceedings that may be initiated by other agencies.

When a complaint is filed with the Vice President of Student Services he/she shall make a determination to refer the matter to the College Student Intervention Committee, meet with the student directly in a discipline hearing, or forwards the matter directly to the College Hearing Board. Any disciplinary action taken, including warnings, temporary exclusion, censure, and cancellation of registration will be consistent with Education Code provisions.

The Discipline Process

The discipline process is specifically not intended to infringe in any way on the rights of students to engage in free expression as protected by the state and federal constitutions, and by Education Code Section 76120, and will not be used to punish expression that is protected.

In addition to violations of the code of conduct, the following are additional grounds for disciplinary action:

1. Failure to comply with the directions of District or College officers or employees acting in the performance of their duties; or violation of District or College policies or regulations.
2. Violating District regulations concerning the registration of student organizations, use of College facilities, and the time, place, or manner of public expression, distribution of leaflets, pamphlets or other materials.
3. Academic dishonesty, such as cheating or plagiarism.
4. Forgery, alteration, misuse, misappropriation or theft of College papers, documents, records or identification, or knowingly furnishing false information to the District or College or its officers or employees.
5. Disruption or obstruction of classes, meetings, disciplinary proceedings, or other authorized functions or activities of the District or College, whether conducted on the West Valley or Mission College campus or elsewhere.
6. Abusive behavior directed toward, or hazing of, a member of the campus community on or off campus property, including verbal abuse, harassment, intimidation, or the threat of abuse, to the person or property of any member of the campus community, or of members of his or her family.
7. Engaging in disorderly conduct, habitual profanity or vulgarity, gambling, lewd, indecent, obscene or offensive behavior on District-owned or controlled property or at any District or College-sponsored or supervised function or activity.
8. The unlawful sale, possession, use or distribution of any drug or substance controlled by state or federal law on District or College-controlled property or at any District- or College-sponsored or supervised function. Such drugs or substances include but are not limited to legally controlled hallucinogenics, narcotics, depressants, stimulants, marijuana and its products, toluene, and alcoholic beverages. This regulation does not apply to lawful possession of prescription drugs by the person named on the prescription or possession of contraband drugs or substances by peace officers and College instructors for use as evidence or teaching aids.
9. Theft of, or intentional damage to, campus property, or property in the possession of, or owned by, a member of the campus community; theft of software by copying; unauthorized entry into, unauthorized use of, or misuse of campus property to include, computer piracy, which is unauthorized entry into information which is campus property.
10. Illegal operation of a motor vehicle on the West Valley or Mission College campus.
11. Knowing possession or use of explosives, dangerous chemicals or deadly weapons on campus property or at a college function.

12. Violation of any order of the President, notice of which had been given prior to such violation and during the academic term in which the violation occurs, either by publication in the campus newspaper, or by posting on an official bulletin board designated for this purpose, and which order is not inconsistent with any of the other provisions of this Section.
13. Soliciting or assisting another to do any act which would subject a student to expulsion, suspension or probation pursuant to this Section.
14. Littering on campus property including grounds, facilities and parking lots.
15. Unauthorized preparation, giving, selling, transfer, distribution, or publication for any commercial purpose, of any contemporaneous recording of an academic presentation in a classroom or equivalent site of instruction.

Pursuant to California Education Code 76030 - 76037, the following types of discipline may be initiated at any time when a student is found to be in violation of the policies or rules and regulations of the West Valley-Mission Community College District or its colleges. College authorities will determine which type of action is appropriate. Any member of the college community (i.e., faculty, staff, and student) may file a written complaint with a college administrator against any student for misconduct.

Types of Disciplinary Actions

Official Warning (Education Code Section 76031). An official warning is a written notice from the Vice President of Student Services or a designee of the President to the student that states if the misconduct is continued, it may result in further disciplinary action. Written official warnings shall not be made a part of the student's permanent record.

Removal from Class (Education Code Section 76032). An instructor may remove a student from his or her class when the student's conduct interferes with the instructional process. The duration will be for the day of removal and may extend through the next class meeting, or a total of two (2) consecutive class meetings. The instructor shall immediately report the removal to the Vice President of Student Services and to the appropriate Division Chair or administrator. A written report shall be provided to the Vice President of Student Services.

The Division Chair or appropriate administrator shall arrange for a conference between the student and the instructor regarding the removal. Upon request of either the instructor or the student, the Division Chair or appropriate administrator shall attend the conference. During the period of removal, the student shall not return to the class without the concurrence of the instructor. The student has the right to return to class after two consecutive class meetings, pending further disciplinary action, if any. Nothing herein will prevent the Division Chair or the appropriate administrator from recommending further disciplinary actions in accordance with these procedures based on the facts which led to the removal. Within five (5) days following the conference, if further action is required, the Division Chair or appropriate administrator will refer the student to the Vice President of Student Services for further disciplinary actions. The Vice President of Student Services shall decide whether to recommend suspension, whether to impose some lesser disciplinary action, or whether to end the matter. The Vice President of Student Services shall provide the student a written notification of the decision and the type of disciplinary action being imposed. A record of the disciplinary action will be entered in the student's discipline file and will be maintained in the Office of the Vice President of Student Services.

Removal of student who is a minor (Education Code Section 76032): An instructor may remove a student who is a minor from his or her class when the student's conduct interferes with the

instructional process. The duration will be for the day of removal and may extend through the next class meeting, or a total of two consecutive class meetings. If the student removed by an instructor is a minor, the college President or the President's designee shall ask the parent or guardian of the student to attend a parent conference with the instructor regarding the removal as soon as possible. If the instructor or the parent or guardian so requests, a college administrator shall attend the conference. During the period of removal, a student shall not return to the class from which he or she was removed without the concurrence of the instructor of the class. The student has the right to return to class after two (2) class meetings, pending further disciplinary action, if any. Nothing herein will prevent the college administrator from recommending further disciplinary procedures in accordance with these procedures based on the facts which led to the removal. The Vice President of Student Services shall provide the student a written notification of the decision and the type of disciplinary action being imposed. A record of the disciplinary action will be entered in the student's discipline file and will be maintained in the Office of the Vice President of Student Services.

Withdrawal of Consent to Remain on Campus (Penal Code Section 626.4). The District Police, working in conjunction with the Vice President of Student Services or the College President, may notify any person for whom there is a reasonable belief that the person has willfully disrupted the orderly operation of the campus that consent to remain on campus has been withdrawn. If the person is on campus at the time, he or she must promptly leave or be escorted off campus. If the District Police issues a student a Withdrawal of Consent to Remain on Campus, the Vice President of Student Services is required to review and confirm this action within 24-hours of issuance of this notice.

The person from whom consent has been withdrawn may submit a written request for a hearing on the withdrawal within the period of the withdrawal. The request shall be granted no later than seven (7) days from the date of receipt of the request. In no case shall consent be withdrawn for longer than fourteen (14) calendar days from the date consent was initially withdrawn. Any person who knowingly reenters the campus during the period in which consent has been withdrawn, except to come for a meeting or hearing, is subject to arrest. A copy of the Withdrawal Consent form and any other information about the incident will be maintained in the student discipline files in the Office of the Vice President of Student Services.

Official Reprimand (Education Code Section 76031). A reprimand is a written notice of the violation of specific rules from the Vice President or a designee of the President. A student receiving a reprimand is formally notified in writing that continued conduct of the type described in the reprimand may result in more severe disciplinary actions. A copy of the official reprimand shall be placed in the student's discipline file and will be maintained in the Office of the Vice President of Student Services.

Social Probation (Education Code Section 76031). Social probation consists of the exclusion of the student from participation in specified or all extra-curricular College activities. Extra-curricular College activities are defined as College-related activities for which the student receives no academic credit. The written notification of social probation shall set forth the reason or reasons for the imposition of this disciplinary action, the activities to which the exclusion applies, and the length of time for which it is to be imposed.

Social probation shall be imposed for a period not to exceed one (1) semester by the President or his/her designee. A copy of the written notice of social probation shall be served to the student and shall be placed in the student's discipline file maintained in the Office of the Vice President of Student Services, and shall also be placed on the student's permanent record.

Restitution (Education Code Section 76031). Restitution consists of the reimbursement for damages to or misappropriation of District property, the property of a member of the College community, or of a visitor on the West Valley or Mission College campuses. Reimbursement may take the form of appropriate personal services to repair, restore or otherwise compensate for the damage or injury done, and may be made a condition of continued attendance at the College.

The President or his/her designee shall inform the student in writing of the amount to be reimbursed to the college and the length of time provided for reimbursement. A copy of the restitution requirement will be placed in the student's discipline file maintained in the Office of the Vice President of Student Services, and shall also be placed on the student's permanent record.

Disciplinary Probation (Education Code Section 76031). Disciplinary probation is a lesser sanction than suspension. Probation requires the student to adhere to specific written terms and conditions defined by the College Hearing Board, Vice President of Student Services, or the Vice President's designee. The terms of probation shall bear a reasonable relationship to the violation committed by the student. The sanction may include, but need not be limited to, ineligibility to participate in college or student-sponsored activities including public performances and may be imposed upon an individual student or group(s) of students.

Disciplinary probation may be imposed for a period not to exceed one year. Should the student violate one or more of the terms of the probation during the probationary period, the Vice President of Student Services will impose a more stringent disciplinary action such as suspension. The student will be notified in writing. The Vice President of Student Services shall also immediately notify the President. A record of the disciplinary action shall be placed in the student's discipline file maintained in Office of the Vice President of Student Services, and shall also be placed in the student's permanent record.

Interim/Emergency Suspension (76030). In those cases where an immediate suspension is required in order to protect lives or property, or to ensure the maintenance of order, the College President or the President's designee may summarily suspend a student for a period not to exceed ten (10) instructional days provided that, within the ten-day period, a reasonable opportunity for a disciplinary hearing is provided to that student (California Education Code, Section 66017). Interim suspension is outlined below in the Due Process Procedures section. Records of the interim suspension shall be retained in the Vice President of Student Services Office and in the student's permanent record. The President shall report an Interim/Emergency Suspension to the Board of Trustees at its next regular meeting.

Disciplinary Suspension (Education Code Sections 66017; 76030; and 76031). Disciplinary suspension is the exclusion from the campus and other privileges or activities for a definite period of time. Disciplinary suspension serves as a penalty against a student for repeated, continued, or serious violations of the District's and/or College's rules, policies, or regulations.



A student may be suspended for one (1) or more classes for up to ten (10) days of instruction; from one (1) or more classes for the remainder of the school term; or from all college classes and activities for one (1) or more terms. A suspended student may be prohibited from occupying any portion of the campus and denied participation in any or all college activities. During the term of the suspension, the suspended student will not be permitted to enroll in classes at West Valley-Mission Community College District. Disciplinary suspensions shall be initiated by the Vice President of Student Services and are subject to the due process procedures outlined below in the following section. The President shall report a disciplinary suspension of any student to the Board of Trustees at its next regular meeting after the suspension has been imposed. A copy of the suspension notice, including the reason for the suspension, shall be placed in the student's discipline file maintained in the Office of the Vice President of Student Services, and shall also be placed in the student's permanent record.

Expulsion (Education Code Section 76030). An expulsion for good cause is a permanent termination of student status with readmission to the College upon the express approval of the Board of Trustees. A student may be expelled only by the Board of Trustees after notice has been given and a hearing conducted in accordance with the procedures set forth in the Due Process Procedures section. The Board of Trustees shall expel a student for misconduct whenever other means of correction have failed to bring about proper conduct or when the seriousness of the situation warrants such disciplinary action. A copy of the expulsion notice, including the reasons for the expulsion, shall be placed in the student's discipline file maintained in the Office of the Vice President of Student Services, and shall also be placed in the student's permanent record. Any suspension or expulsion shall preclude enrollment at any and all colleges within the District during the period of suspension or expulsion.

Due Process Procedures

Consistent with Education Code Sections 66017 and 76030, the student disciplinary actions of interim/emergency suspension, disciplinary suspension, and expulsion are subject to the due process and appeal procedures described below.

In cases where lesser disciplinary actions have been ineffective in halting student misconduct or the magnitude of the misconduct warrants more severe disciplinary action, the College will initiate the process for a suspension or expulsion. When the decision is made to initiate such a process the representative of the College or other individuals who have knowledge of the violation of the student conduct standards will submit a written account to the Vice President of Student Services. The Vice President of Student Services or designee will deliver in person, or provide via certified mail (accompanied by a return receipt) to the student a copy of the charges against him/her.

The charges will list the specific violation(s) of the District Student Discipline Policy, a factual summary of the alleged misconduct, other relevant information, and notice of the due process hearing and appeal procedures. If the student is a minor, the parent or guardian shall also be provided notice of the due process hearing and appeal procedures. The following outlines the procedures:

1. The Vice President of Student Services shall administer these procedures and take appropriate action, subject to the approval of the President and the Chancellor as required herein or as otherwise required by law.
2. Disciplinary action taken under these procedures may be taken regardless of anticipated, pending or completed civil or criminal proceedings arising out of the same act or event.
3. Alleged student misconduct of a serious nature to warrant consideration of suspension or expulsion shall be reported

to the Vice President of Student Services and when reported to or discovered, the Vice President of Student Services shall initiate an investigation of the charges. Should the Vice President of Student Services deem it appropriate to pursue disciplinary actions against the student, he/she shall arrange a meeting with the student prior to issuance of formal charges, at which time the student shall be informed that an investigation is being conducted.

4. If the student is a minor, the student's parent or guardian shall also be provided notice of the due process procedures.
5. Following issuance of formal charges, the student has the right to request a hearing to present information and/or evidence supporting his/her case. Should the student fail to request a hearing, the Vice President, after due investigation and deliberation, shall proceed to impose whatever disciplinary action he/she deems appropriate or recommend appropriate action to the President. If the student requests a hearing, he/she shall be afforded one of the following options:
 - A hearing before the Vice President of Student Services/designee The Vice President of Student Services shall set the time, date, and location for the hearing, or;
 - A hearing before the College Hearing Board. (For a description of College Hearing Board see the College Hearing Board section).
6. Proceeding under option 5a, where a student requests a hearing before the Vice President of Student Services:
 - The Vice President of Student Services, or the designee, shall discuss the accusation with the student. The Vice President of Student Services and the student or his/her representative shall have the right to call, examine and cross-examine witnesses. The Vice President of Student Services then may consider any relevant evidence or information presented in the matter, take or recommend disciplinary action if appropriate, and inform the student that if he/she disagrees with the disciplinary action, he/she may appeal to the President for review of the disciplinary action by so informing the Vice President in writing (see Student Appeal Procedures).
 - Following the hearing, in any case where disciplinary suspension is recommended by the Vice President of Student Services, the action shall be reported to the College President within ten (10) business days. The President shall either approve or disapprove the action within five (5) business days of receipt of the disciplinary suspension recommendation. If the President approves, he/she shall impose disciplinary suspension.
 - The President, at his/her discretion, may stay the disciplinary suspension, if he/she feels that the staying of such will not endanger any individual or the College.
 - If after notification, the student fails to appear at the hearing before the Vice President of Student Services, the Vice President may declare the student in default, and proceed as if the student were present at the hearing.
7. Proceeding under Option 5b., where the student requests a hearing before the West Valley or Mission College Hearing Board:
 - The Vice President of Student Services or designee shall schedule a meeting of the College Hearing Board within ten (10) working days.
 - The Vice President of Student Services shall provide the student and the College Hearing Board with a written

statement of the charges against the student, and any other relevant information.

- The student may select a representative to assist him/her in his/her presentation before the College Hearing Board. If the student is to be represented by legal counsel, he/she must notify the President of the fact at least seven days prior to the date of the scheduled hearing. An attorney shall not represent the student unless, in the judgment of the College, complex legal issues are involved. The Vice President of Student Services or the College Hearing Board may request legal assistance; any legal advisor provided to the College Hearing Board may sit in an advisory capacity to provide legal counsel but shall not be a member of the panel or vote with it.
- If the student fails to appear at the time and place designated for the hearing, the College Hearing Board may proceed in his/her absence, declaring him/her to be in default.
- The Vice President shall have the proceedings of the College Hearing Board recorded at the meeting, and any such record shall be maintained at the Office of the Vice President of Student Services for a period of three (3) years.
- The hearing before the College Hearing Board shall be conducted in a manner conducive to the determination of the truth. It is not contemplated or required that the hearing be conducted with the formality of a legal proceeding. Formal rules of evidence shall not apply. Any relevant evidence shall be admitted.
- At the hearing, unless the College Hearing Board determines to proceed otherwise, the Vice President of Student Services or designee and the student shall be permitted to each make an opening statement. Thereafter, the Vice President of Student Services or designee shall first present any relevant evidence in his/her possession regarding the alleged misconduct; the student may then present any relevant evidence which he/she may have. The Vice President of Student Services or designee may present rebuttal evidence after the student completes his or her presentation. The Vice President of Student Services or designee and the student or his/her representative shall have the right to call, examine, and cross-examine witnesses. Written statements, if any, shall be submitted under penalty of perjury.

College Hearing Board

1. The membership of the College Hearing Board shall be as follows:
2. Students. Two (2) students each appointed to an annual term by the Student Senate of the Associated Students of West Valley or Mission College for a one (1) year term, and who shall be appointed not later than the third week of the fall semester.
3. Faculty. Two (2) faculty members each appointed by the Academic Senate for a one (1) year term, and who shall be appointed not later than the third week of the fall semester.
4. Classified. Two (2) classified employees appointed by the Classified Senate for a one (1) year term, and who shall be appointed not later than the third week of the fall semester.
5. Administration. A member of the administrative staff of the College shall be appointed by the President for a one (1) year term. The Vice President of Student Services cannot serve in this capacity.

6. As an administrative agency of the College, the College Hearing Board shall be responsible to the President for acting, reviewing, and making recommendations relative to matters brought before it in accordance with the procedures outlined in these procedures. The College Hearing Board shall appoint one member of the panel to serve as the chairperson.
7. No administrator, faculty member, classified staff, or student who has any personal involvement in the matter to be decided, who is a necessary witness, or who could not otherwise act in a neutral manner shall serve on the College Hearing Board.
8. The Chairperson of the College Hearing Board shall convene a meeting of the Board at the earliest possible opportunity after appointment of members in the fall semester of each school year for the purpose of orientating the members to the responsibilities and duties of the College Hearing Board and the procedures under which it shall function and operate.
8. If after notification, the student fails to appear at the hearing before the Board of Trustees, the Board of Trustees may declare the student in default and proceed as if the student were present at the hearing.
9. After the hearing has been declared open, the Vice President of Student Services shall make a statement and present any relevant evidence and information, either oral or documentary, which he/she has in possession. The Vice President of Student Services shall, if the matter has been heard by the College Hearing Board, present a copy of the College proceedings on the findings of fact. Upon conclusion of the presentation by the Vice President of Student Services, the student and/or parent or guardian, and/or their legal counsel, may make a statement and present any relevant evidence or information, either oral or documentary, which he/she or they may possess. Each side shall also have the opportunity to offer rebuttal evidence.
10. A prospective witness must either be sworn, or affirm to tell the truth. In the absence of both, the Board of Trustees may deny him/her the right to testify, or may proceed with the hearing, giving consideration to this fact when deliberating the testimony. Witnesses shall be subject to cross-examination by the other party, and inquiry of the members of the Board of Trustees. Written statements of absent witnesses shall be received only if submitted as affidavits or declarations under penalty of perjury.

Procedures Before the Board of Trustees

1. If the President, his/her designee, the Vice President of Student Services or the College Hearing Board, recommends expulsion, then the matter must be brought before the Board of Trustees by the Chancellor for a hearing, in accordance with these procedures (Education Code Section 76030).
2. Prior to the Board of Trustees' hearing of an expulsion recommendation, the Chancellor shall deliver a written statement to the President of the Board of Trustees, and to the student and his/her parent or guardian, if the student is a minor or to the student alone, if he/she is an adult. This written statement shall be delivered either personally or by certified or registered mail, and contain the following information:
 3. A recitation in sufficient detail to apprise the student of the charge or charges against him/her.
 4. The date, time and place of the meeting of the Board of Trustees at which the matter shall be considered, and the date shall not be less than ten (10) days from personal delivery or mailing of the written statement to the student. The hearing shall be conducted in closed session of the Board of Trustees (Education Code Section 72122) unless the student submits a written request for an open hearing to the President at least seven (7) days in advance of the scheduled hearing. The student must also notify the President at least seven (7) business days in advance if he/she intends to attend the hearing.
 5. A recitation that the student may be represented at the hearing by legal counsel, if so desired. If the student is to be represented by legal counsel, he/she must notify the President of the fact that at least seven (7) days prior to the date of the scheduled hearing. The Board of Trustees may request legal assistance; any legal advisor provided to the Board of Trustees may sit in an advisory capacity to provide legal counsel but shall not be a member of the panel or vote with it.
 6. A recitation of the privilege of the student and/or the parent or guardian to employ the services of a shorthand reporter or stenographer at his/her or their own expense to record the hearing.
 7. The Chancellor shall have written summary of the hearing transcribed into the minutes of the meeting of the Board of Trustees, and if the hearing is conducted in closed session, these minutes shall be transcribed and kept in a separate closed session minutes book not open for public inspection.
11. Upon hearing all relevant evidence and information submitted, any final statements of the Vice President of Student Services, and/or the student, parent or guardian (if the student is a minor), and/or their counsel, the Board of Trustees shall confer in private and consider the evidence presented and reach its determination in the matter. When these deliberations are completed, the Board of Trustees shall reconvene in open, public session and announce its decision by recording a vote on the matter into the minutes of the meeting which shall be open to public inspection.
12. Within ten (10) days after the Board of Trustees takes its final action, the President shall deliver to the student and/or the student's parent or guardian, if the student is a minor or the student alone, if he/she an adult, either in person or by registered or certified mail, a letter setting forth the final action of the Board of Trustees, and a copy shall be filed in the student's permanent record and in the files of the Board of Trustees. If the Board of Trustees expels the student, the Vice President of Student Services shall proceed to implement the disciplinary action as soon as practicable, unless otherwise directed by the Board of Trustees.
13. In any case where the Board of Trustees imposes expulsion based upon the student having disrupted the orderly operation of the College, the Board of Trustees, as part of its final action, may deny the expelled student access to the College Campus. If such condition is imposed by the Board of Trustees, the letter of notification required to be given by Paragraph 8 of this Section shall contain a statement of such condition and its duration.
14. The College shall retain records of all disciplinary investigations, proceedings, and action.

Student Appeal Procedures

1. With the exception of recommendations of expulsions which are subject to appeal to the Board of Trustees, students may appeal the findings of the College Hearing Board to the College President. Such appeal may be based only on the following grounds:

2. Required procedures were not properly followed;
3. New evidence, not reasonably available at the time of the hearing is presented and is of sufficient importance to warrant reconsideration;
4. The findings were unsupported by evidence in record made before the hearing; or
5. The sanction imposed for the violation was unreasonably harsh or inappropriate when viewed within the context of the nature of violation.

Timelines for this appeal process are delineated below:

1. The student has five (5) days from receipt of the findings of the hearing to file a written appeal with the Vice President of Student Services. The Vice President of Student Services will forward this appeal to the College President.

2. Upon receipt of the written appeal, the President has ten (10) days to conduct an appeal hearing and five (5) days from that appeal to hand deliver or mail (by certified mail).
3. The appeal hearing shall consist of a review of the record of the student's original and presentation of information pertinent to the grounds for the appeal.
4. Upon mutual agreement between the student and the College President, time limits may be extended.
5. Complete district policies regarding campus safety and crime, in particular AP 5520 (Student Discipline Procedures) can be found at go.boarddocs.com/ca/wvm/Board.nsf/vpublic?open.

This catalog contains accurate information at the time of publication. However, policies are updated regularly, so please consult the website to ensure you have the most up-to-date policy information.



Personnel

Administrators, Faculty, Classified Professionals, and Board of Trustees

The administration, faculty, and classified professionals at Mission College and the West Valley-Mission Community College District are here to support you on your journey. We serve with a Caring Campus approach meant to help you feel a sense of connection and belonging to our community. We are here to help you achieve your goals!

Board of Trustees

Mary-Lynne Bernald
Susan Fish
Adrienne Grey
Anne Kepner
Randi Kinman
Robert Owens
Karl Watanabe

District Administration

Bradley Davis, Chancellor
Dan Borges, Vice Chancellor,
Information and Educational Technology
Ngoc Chim, Vice Chancellor, Finance and Administration
Terrance DeGray, Vice Chancellor, Facilities Development
and Operations
Eric Ramones, Vice-Chancellor, Human Resources
Chris Rolan, Vice-Chancellor, Public Health & Safety

Administration

Richard Alfaro (2013)

Dean, Student Support Services

M.A. in Educational Administration, Santa Clara University; B.A. in Organizational Communications, California State University, Stanislaus; A.A., Modesto Junior College

Seher Awan (2022)

President

Ed.D. in Organizational Leadership, Pepperdine University; M.P.A., California State University, Northridge; M.B.A., California State University, Northridge; B.S. Business Administration, California State University, Northridge

Inez Barragan (2017)

Director, HSI-STEM Program

M.A. in Higher Education and Student Affairs, California State University, Sacramento; B.S. in Applied Behavioral Science, University of California, Davis; A.A. in General Education, Social Sciences, Santa Rosa Junior College

Benjamin Demers (2022)

Director, Marketing and Public Relations

B.A. in Journalism, University of Rhode Island

Jacqueline Escajeda (2019)

Dean, Business, Education, and Service Industries

M.A. in Higher Education Leadership, California State University, Sacramento; B.S. in Organizational Behavior, University of San Francisco; A.A. in Social Science, Sacramento City College

Alfred Gallegos (2022)

Dean, Institutional Effectiveness and Research

M.A. in Psychology, California State University, Los Angeles; B.A. in Psychology, California State University, Los Angeles

Katrina Hermoso (2024)

Director, EOPS, Care, CalWORKS, NextUp

Ed.D. in Educational Leadership, University of Southern California; M.A. in Multicultural Education, California State University, Dominguez Hills; B.A. in Liberal Studies, California State University, Long Beach

Anne Horgan (2016)

Program Director, Child Development Center Lab School

M.A. in Developmental Psychology, San Francisco State University; Adult Education Credential, UC Berkeley; B.A. Psychology, San Francisco State University

Valerie Jensen (2018)

Dean, Academic Services

M.A. in Speech Communication, California State University, Hayward; B.A. in Speech Communication: Organizational Communication/Public Relations, California State University, Hayward; Graduate Certificate in Community College Leadership, University of Nebraska, Lincoln

Chigusa Katoku (2015)

Program Director, International Student Center

M.A. in Teaching English to Speakers of Other Languages (TESOL), Middlebury Institute of International Studies; B.A. in Linguistics and English and American Literature, Sagami Women's University, Japan

Connor Keese (2021)

Director, Outreach & Student Development

M.A. in Higher Education with an emphasis in College Student Development, University of Denver; B.A. in Political Science, San Diego State University

Clement Lam (1997)

Dean, Science, Technology, Engineering, and Math

Ph.D., M.S., and B.S. in Mathematics, University of Iowa

Alyssa Larios (2024)

Director, Disabled Student Programs and Services (DSPS) and Valor Center

M.S. in Clinical Rehabilitation and Mental Health Counseling, California State University, Fresno; B.A. in Psychology and Sociology, emphasis in Social Services, Education minor, University of California, Davis.

Veronica Martinez (2022)

Dean, Enrollment and Financial Services

M.P.A., University of San Francisco; B.A. Social Science, San Jose State University.

Omar Murillo (2016)**Vice President, Student Services**

Ed.D. in Educational Leadership, San Francisco State University; M.Ed. in Education, Counseling and Student Services with PPS Credential, San Jose State University; B.A., Liberal Studies, minor in Spanish Literature and Culture, California State University, Monterey Bay.

Danny Nguyen (2006)**Vice President, Administrative Services**

Pharm.D. in Pharmacy Science, University of Southern California.

Jeffrey Pallin (2018)**Dean, Workforce Innovation**

Ph.D. (ABD) in Mathematical Logic and Recursion Theory, University of Wisconsin; M.B.A. in Operations and Control, Boston University; B.S. and B.A. in Philosophy and Logic, Boston University.

Lorrie Ranck (2021)**Vice President, Instruction**

M.A. in International and Multicultural Education (IME), University of San Francisco; B.A. in Education, University of Wyoming.

Edrina Rashidi (2015)**Director, Mathematics, Engineering, Science Achievement (MESA)**

Ed.D. in Educational Leadership, San Francisco State University; M.A. in History, University of Illinois, Urbana-Champaign; B.A. in Humanities, emphasis in European Studies, San Jose State University.

Manuel Salazar (2016)**Director, TRIO**

M.A. in Counselor Education, San Jose State University; B.A. in Sociology and minor in Mexican American Studies, San Jose State University.

John Schoppert (2023)**Director, Library and Learning Support Services**

Ed.D. in Adult and Higher Education, Oregon State University; M.Ed. in Library Science, Emporia State University; B.A. in English, Portland State University.

Ken Songco (2012)**Dean, Student Equity and Success**

M.P.A. in Public Administration, San Francisco State University; B.A. in Psychology, University of California, Santa Cruz.

Roy Vasquez (2023)**Dean, Public Safety, Health, and Wellness**

D.M. in Management in Community College Policy and Administration, University of Maryland Global Campus; M.B.A., California State University-Fresno; M.B.A. in Business Management, University of Phoenix (Fresno); B.A. in Business Management, Fresno Pacific University.

John Vlahos (2001)**Executive Director, Intercollegiate Athletics**

M.S. in Sports Leadership, Virginia Commonwealth University; B.S. in Finance, Santa Clara University.

Faculty**Wael Abdeljabbar (2005)****Computer Science and Information Technology**

Ed.D. in Educational Leadership, Fielding Graduate University; M.S. in Management Information Systems (MIS); B.S. in Computer Science, emphasis in Management Information Systems, ACEI; B.S. in Information Technology, University of the Pacific; AS in Applied Science of Network Administrators, Silicon Valley College; AS in Tele-communications Switching, Telecommunications College-Jordan; CISCO Certified Academy Instructor (CCAI).

Dina Aburou (2019)**Accounting**

Ph.D. in Management Sciences, ESADE Business School, Ramon Llull University, Spain 2016; Master of Research Management Science, ESADE Business School, Ramon Llull University, Spain 2011; M.S. in Accountancy, San Jose State University, 1994; Multiple Subject Teaching Credential Program, San Francisco State University, 2006.

Amelia Akers-Martin (1997)**English as a Second Language**

M.A. in English (Teaching English as a Second Language/Applied Linguistics), Iowa State University; M.S. in Education, Online Teaching and Learning, California State University East Bay; B.S. in Anthropology and B.A. in Spanish, Iowa State University.

Salaam Al Baker (2005)**Chemistry**

Ph.D. in Inorganic Chemistry, Auburn University, Auburn, Alabama; B.S. in Chemistry, minor in Biology, Basra University, Iraq.

Daniel Arias (2014)**Hospitality Management**

B.S. in Hospitality and Management, San Jose State University; A.S. in Food and Restaurant Management, Mission College; Associate of Occupational Science in Culinary Arts, Culinary Institute of America; A.A. in Biological Science, Fullerton College.

James Baker (2020)**Communication Studies**

Ph.D. in Instructional Communication, minor in Interpersonal Communication, West Virginia University; M.A. in Instructional Communication, minor in Communication,

CSU, Sacramento; B.A. in Communication, minor in Theater, CSU, Sacramento.

Yolanda Barnes (1999)**Counselor/Articulation Officer**

M.S. in Counseling/Career Development, California State University, Sacramento; B.A. in Sociology/Organizational Studies, University of California, Davis.

John Beck (2016)**Astronomy and Physics**

Ph.D. in Astronomy, University of California, Los Angeles; M.S. in Physics, California State University, Northridge; B.S. in Physics, University of California, Los Angeles.

Tina Boghazian (2016)**Librarian**

M.L.I.S. in Library and Information Science, San Jose State University; B.A. in Library Science, Isfahan University of Medical Sciences.

Carla Breidenbach (2013)**Spanish**

Ph.D. in Linguistics/Hispanic Linguistics, University of South Carolina; M.A. in Spanish, Middlebury College; B.A. in Spanish Art History, St. Olaf College.

Marina Broeder (2017)
English as a Second Language

B.A. in Linguistics, Intercultural Communications, and Teaching English to Speakers of Other Languages (TESOL), Moscow State Linguistic University; Diploma in Linguistics, Intercultural Communication, and Teaching English to Speakers of Other Languages (TESOL); graduated with High Honors, Moscow State Linguistic University.

Britta Burton (2004)
English as a Second Language

M.A. in Teaching English to Speakers of Other Languages (TESOL), Arizona State University; B.A. in Translating and Interpreting English and Spanish, University of Mainz, Germany.

Joanne Cabanilla (2015)
Biological Sciences

Ph.D. in Medicine, University of the Philippines; B.S. in Zoology, University of the Philippines.

Melodie Cameron (2015)
Counselor, DSPS/Veterans

M.A. in Education/Counseling and Student Personnel, San Jose State University; B.A. in Psychology, San Jose State University.

Michael Cao (2014)
Mathematics

M.A. in Applied Mathematics, University of California, San Diego; B.S. in Mathematics of Computation, University of California, Los Angeles.

Mindy Carr (2004)
Mathematics

M.A. in Mathematics, University of California, Santa Cruz; B.A. in Mathematics, University of California, Berkeley.

Gayathri Chakravarthy (2019)
Lab Faculty Specialist, Academic Support Center

M.S. in Pure Mathematics, Madras University; A.S. in Mathematical Sciences, Victoria University, Australia.

Kara Chambers (2001)
English as a Second Language

M.A. in Teaching English to Speakers of Other Languages (TESOL), San Francisco State University; B.A. in Comparative Literature and English, San Francisco State University.

Pooi-See Chan (2018)
Biological Sciences

Ph.D. in Animal Science, Michigan State University; M.S. in Animal Science, The University of Georgia; B.S. in Biology and Chemistry, Campbell University.

Cheryl Coon (2020)
Art

M.F.A., San Francisco Art Institute; B.A. in French, minor in English literature, Humboldt State University; B.A. in Art, minor in Creative Writing, Humboldt State University; Sculpture and Jewelry Studies, Academy of Art University.

Jeff Cormier (2004)
Instructor in Psychology

M.A. in Sociology, San Jose State University, California; additional graduate study in Psychology, Northcentral University, Arizona; B.A. Clinical Psychology, San Jose State University, California.

Alicia Cruz (2021)
Health Occupations/Assistant Director, Vocational Nursing Program

M.S. in Nursing, Western Governors University; B.S. in Nursing, University of Alabama, graduated with honors.

John Dedinsky (1982)
Mathematics

M.S. in Mathematics, Stanford University; B.S. in Mathematics, Stanford University.

Haze Dennis(1996)
Hospitality Management/ Work Experience

M.S. in Recreation and Tourism, Cal State University East Bay; B.S. in Hotel/ Restaurant Administration, University of Nevada, Las Vegas; A.S. in Hotel/Restaurant Management, St. Louis Community College.

Carla Di Gennaro (2024)
Biology

M.S. in Ecology & Systematic Biology, San Francisco State University; M.S. in Molecular & Cellular Biology, University of California, Berkeley; B.S. in Cellular & Molecular Biology with a minor in Chemistry, University of Nevada, Las Vegas; B.S. in Biology, San Francisco State University.

Kate Disney (1990)
Engineering

M.S. in Electrical and Computer Engineering, University of California, Santa Barbara; B.S. in Electrical and Computer Engineering, University of California, Davis.

Mark Engel (2004)
Art

M.F.A., San Jose State University; B.F.A., San Jose State University; both with Pictorial Art Major.

Nita Esparza (2013)
Communication Studies

M.A. in Communication Studies, San Jose State University; B.A. in Communication Studies, Humboldt State University; A.A. in Liberal Arts, West Valley College.



Ashley Faris (2011)

Chemistry

Ph.D. in Chemistry, University of California, Santa Barbara; B.S. in Chemistry, minor in Mathematics, Trinity University.

Kaitlin Ferguson (2018)

Kinesiology

M.A. in Coaching and Athletic Administration, Concordia University; M.A. in Kinesiology, Fresno Pacific University; B.A. in Communication and Sport Management, UC Santa Barbara; A.A. in Fitness, Nutrition, Health and Kinesiology, Santa Rosa Junior College; Personal Training Certification through the National Academy of Sports Medicine, as well as a TRX®, Suspension and Rip Training certifications, and the Madd Dog Spinning® Certification.

Benjamin Fineman (2015)

Mathematics

Ph.D. in Mathematics, University of California, Davis; B.A. in Mathematics, Haverford College.

Jeanine Flores (2018)

Graphic Design

M.S. in Education (Online Teaching and Learning), California State University, East Bay; B.F.A. in Industrial Design, University of Illinois at Champaign-Urbana.

Mary Garcia (2021)

English

Ph.D. in Comparative Literature, University of California, Santa Barbara; M.A. in Comparative Literature, University of California, Santa Barbara; B.A. in English and World Literature, Pitzer College.

Mark Garrett (2000)

Graphic Design

M.F.A., University of California, Davis; B.F.A. with emphasis in photography, University of Arizona.

Karen Gee (2012)

Psychology

M.A. in Education, Stanford University; M.A. in Experimental Psychology, San Jose State University; B.A. in Psychology, minor in Human Biology, Stanford University.

Chia Green (2002)

Lab Faculty Specialist, Academic Support Center

M.Ed. in Instructional Technology, Arkansas Tech University; Graduate Certificate in TESOL, Pennsylvania State University; B.S. in Biomedical Engineering, Chung Yuan University, Taiwan.

Bianka Guardino (2000)

Counselor

M.S.W., San Jose University; B.A. in Psychology, Stanislaus State University; A.A. in Psychology, Modesto Junior College.

Guy Hall (2020)

Fire Protection Technology

A.S. in Fire Technology and a minor in Business, Cabrillo College.

Veronica Hand (2016)

Counselor

M.A. in Education-Counseling and Student Personnel, San Jose State University; M.A. in Social Sciences in Education with a focus in Higher Education, Stanford University; B.A. in Journalism, San Jose State University.

Tara Hardinge (2012)

Sociology

Ph.D. in Sociology, University of California, Irvine; M.A. in Sociology, University of California, Irvine; B.A. in Sociology, University of California, Irvine; B.A. in Psychology and Social Behavior, University of California, Irvine.

Carol Hartman (2021)

Health Occupations

M.S.N. in Nursing Education, Sacred Heart University; B.A. in Mathematics and Computer Science, Boston College; A.S. in Nursing, Evergreen Valley College.

Phillip Hawkins (2004)

Music

M.M. in Music with emphasis in Percussion Performance, Wichita State University; B.M. in Music Education with emphasis in Instrumental Music, Wichita State University; additional course work at Bethel College.

Michele Hittleman (2017)

Counselor

M.Ed. in Education, University of California, Los Angeles; B.A. in History, Brandeis University.

Ngoc Hua (2021)

Health Occupations

B.S.N., San Jose State University.

Javier Huerta

English

M.F.A. in English, Creative Writing, University of Texas at El Paso; B.A. in English, University of Houston.

Lauren Javier-Tolentino (2017)

Biological Science

Ph.D. in Biological Sciences, University of California at Irvine; M.S. in Biological Sciences, University of California, Irvine; B.A. in Biology, University of Hawaii at Manoa, Hawaii.

Keith Johnson (1999)

Music

Ph.D. in Music Composition, University of California, San Diego; M.M. in Music Composition, Yale University School of Music; B.M. in Music Composition, California State University, Long Beach; A.A. in Music, Cuesta Community College.

Matthew Johnston (2010)

Philosophy

M.A. in Philosophy, University of Illinois, Champaign-Urbana; B.A. in Philosophy, University of California, Santa Cruz; A.A. Humanities/Social Science, Gavilan Community College.

Margaret Juncker (2002)

English

M.A. in English Literature, California State University Fresno; B.A. in English, California State University Fresno.

Amanda Kight (2018)

Health Occupations

M.S. Nursing, University of San Francisco; board-certified in Psychiatric Nursing, Addition Nurse and Nursing Leadership.

Michelle Kim (2012)

Economics

M.A. in Economics, University of California, Irvine; B.A. in Political Economy of Industrial Societies, University of California, Berkeley; B.A. in Economics, University of California, Berkeley.

Zoya Kravets (2005)

Mathematics

M.S. in Mathematics, California State University, Hayward; M.S. in Statistics, California State University, East Bay; B.S. in Mathematics, Leningrad Institute of Education, Russia.

Shridevi Kumar (2024)

Physics

M.S. in Physics, San Francisco State University; M.S. in Electronic Communications, University of Mumbai; B.S. in Physics, University of Mumbai.

Willy Kwong (2019)

Child Development

M.A. in Child and Adolescent Development, San Jose State University; B.A. in Child and Adolescent Development, San Jose State University.

Patrick Lavallo (2001)

Mathematics

M.A. in Mathematics, University of California, Santa Barbara; B.A. in Mathematics and minor in Physics, University of California, San Diego.

Theresa Lawhead (2006)

Counselor

M.S. in Counseling, California State University, Hayward; B.A. in Psychology, San Jose State University.

Steve Lipman (2004)

Communication Studies

M.A. in Speech Communication, San Francisco State University; B.A. in Speech Communication, San Francisco State University.

Letisha Lovern (2012)

Mathematics

M.A. in Mathematics, minor in Applied Mathematics, California State University, East Bay; B.S. in Mathematics, Sonoma State University.

Alicia Martinez (2002)

Counselor

M.A. in Counseling Psychology with emphasis in Marriage, Family and Child Counseling, University of San Francisco; B.A. in Psychology, University of California, San Diego.

Donnelle C. Mcgee (1998)

English

M.A. in Counselor Education, San Jose State University; M.F.A. in Creative Writing, Goddard College; B.A. in Sociology, California State University, Stanislaus.

Calogero Monachino (2024)

Fire Science

B.S. in Fire Service Management, California State University, Sacramento; Graduate Units in Executive Fire Officer Program, National Fire Academy US Fire Administration.

Erica Morton-Starner (2017)

English

Ph.D. in English, University of Oregon; M.A. in English, Western Washington University; B.A. in English, Northern Arizona University.

Faramarz Mortezaie (2015)

Computer Science and Information Technology

Ph.D. in Electrical and Computer Engineering, University of California, Irvine; M.S. in Electrical and Computer Engineering, University of California, Santa Barbara; B.S. in Electrical and Computer Engineering, University of California, Santa Barbara.

Carmen Musat (1999)

Mathematics

M.A. in Finance, Golden Gate University; M.A. in Mathematics, University of Bucharest; B.A. in Mathematics, University of Bucharest.

Myo Myint (1999)

Instructor in English as a Second Language

M.A. in Linguistics and Teaching English as a Foreign Language (TEFL), Institute of Education, Myanmar; B.A. in English, Institute of Education, Myanmar.

Paul Nagami (2021)

Biological Science

52 units of Ph.D. work, Stanford University; M.S. in Biology (Ecology and Systematic Biology), San Francisco State University; B.S. in Biology, California Institute of Technology, graduated with honors; additional graduate studies in Developmental Biology, Stanford University.

John Nakahama (2002)

Mathematics

M.A. in Mathematics, San Jose State University; B.A. in Mathematics, San Jose State University.

Kelly Neary (2006)

Biological Sciences

M.S. in Biological Sciences with concentration in Physiology, San Jose State University; B.S. in Physiology, University of California, Davis.

Ann Nguyen (2024)

Health Occupations

Ph.D. in Educational Nurse Leader, University of San Francisco; M.S. in Clinical Nurse Leader, University of San Francisco; A.S. in Nursing, Mission College; A.S. in Vocational Nursing, Mission College.

Chau Nguyen (2006)

Counselor

M.A. in Counseling Education, San Jose State University; B.A. in Liberal Studies and minor in Child Development, California State University, Hayward.

Hai Quoc Nguyen (2020)

History

M.A. and B.A. in History, San Francisco State University; A.A. in Liberal Arts/History, De Anza College.

Mytra Nguyen-vu (2001)

Child Development

Ed.D. in Early Childhood Education, Walden University; M.A. in Child Development, San Jose State University; B.A. in Psychology, San Jose State University.

Marsha Oliver (2001)

Health Occupations/Director, LVN Program

M.S. in Nursing Education, Walden University; B.S. in Nursing, University of Phoenix; A.S. in Nursing, Oregon Institute of Technology; additional graduate studies at the University of Phoenix.

Priscilla Pan (2024)

Chemistry

M.S. in Chemistry with emphasis in Organic, University of California, Santa Barbara; B.S. in Biochemistry/Chemistry, University of California, San Diego.

Gaozong Park (2013)

Counselor, International Students

M.A. in Education-Counseling and Student Personnel, San Jose State University; B.A. in Psychology, California State University, Fresno.

Clint Poe (1995)

Physics and Astronomy

Ph.D. in Astrophysics, University of Wisconsin; M.S. in Astronomy, Vanderbilt University; B.S. in Physics, University of North Carolina, Chapel Hill.

Kristen Purdum (2017)

Instructor in Mathematics

M.S. in Applied Mathematics, Santa Clara University; B.S. with honors in Mathematics, minors in Physics and Secondary Education, Mount Union College.

Raeann Ramsey (2013)

Instructor in History

Ph.D. in Humanities, Faulkner University; M.A. in Humanities/History, California State University, Dominguez Hills; B.A. in English and Philosophy, University of the Pacific.

Robert Reed (2012)

Mathematics

M.A. in Mathematics, University of California, Santa Cruz; B.A. in Mathematics, University of California, Santa Cruz.

Jean Replicon (1995)

Biological Sciences

Ph.D. in Molecular Biology, Loyola University of Chicago; B.A. in Biology, Northwestern University, Evanston.

Monica Rivas (1999)

Spanish

Ph.D. in Romance Languages, University of Oregon; M.A. in Spanish Literature, University of Oregon; graduate studies: Universita per Stranieri, Perugia, Italy; L'Instituto Linguistico Bertrand Russell, Padova, Italy; Universidad de Madrid (la Complutense) Spain; B.A. in Journalism; B.A. in Spanish, California State University, Chico.

Rick Rivas (2004)
**Graphic Design
and Multimedia Design**

M.S. in Multimedia Design and Marketing, California State University, Chico; B.A. in Philosophy, University of California, Los Angeles; AA in Graphic Design, Mission College.

David Rose (2008)
**Fire Protection Technology/Director, EMT
Program**

Pre-Hospital Care Education Program, Stanford University; Master Fire Instructor, Fire Service Training and Education System, State of California; A.S. in Fire Protection Technology, Mission College; A.S. in Social Sciences, Mission College; A.S. in General Education, Mission College; additional coursework, George Washington University.

Julaine Rosner (2000)
English as a Second Language

M.A. in English with an Emphasis in Teaching English as a Second Language (TESOL); B.A. in Spanish with an emphasis in Linguistics and a minor in French from the University of Massachusetts at Amherst; studies abroad in Spain.

Heather Rothenberg (2000)
Nutritional Science

M.S. in Nutritional Science, New York University; B.S. in Dietetics & Food Administration and B.A. in Physical Education-Exercise Physiology, California State University, Chico; R.D. from Bronx VA Medical Center, New York.

Monica Sain (2021)
English

M.A. in English with an emphasis in Composition, San Francisco State University; B.A. in Literature with an emphasis in Pre- and Early Modern Studies, University of California, Santa Cruz; Specialized Certificate in College Counseling, University of California, San Diego Extension.

Marcelo Sanchez-Heredia (2020)
Counselor

M.A. in Counseling, Saint Mary's College of California; B.A. in Psychology, University of California, Davis.

Robert Schaffer (2019)
Engineering and Mechatronic Technology

Ph.D. in Electrical Engineering, Stanford University; B.S. in Electrical and Computer Engineering, George Mason University.

James Schweppe (2013)
Chemistry

Ph.D. in Chemistry, Bryn Mawr College; M.A. in Chemistry, Bryn Mawr College; B.S. in Biochemistry, Marlboro College.

Albert Shaheen (2020)
English as a Second Language

M.A. in Teaching English to Speakers of Other Languages (TESOL), Saint Michael's College; B.A. in History, Western Connecticut State University.

Wenlei Shan (2014)
Business

M.B.A., Arizona State University; M.S. in Electrical Engineering, Purdue University.

Guy Shani (2018)
Biological Sciences

Ph.D. in Microbiology, University of California, Davis; B.S. in Biological Science, California Polytechnic State University, San Luis Obispo.

Ted Shank (2015)
English

M.A. in English, San Jose State University; B.A. in English, San Jose State University; California Single Subject Teaching Credential, English; Cross-Cultural, Language, and Academic Development (CLAD) Certified.

Lana Sheridan (2020)
Physics

Ph.D. in Physics, University of Waterloo, Canada; M.A. in Physics and B.A. in Physics, University of Oxford, United Kingdom.

Aram Shepherd (2013)
English

Ph.D. in English, University of North Carolina; B.A. in English, University of California, Berkeley.

Max Sklar (2015)
Mathematics

M.S. in Mathematics, University of Massachusetts; B.A. in Mathematics with a minor in Physics, University of California, Santa Cruz.

Joanna Sobala (2013)
Economics

M.A. in Economics, San Jose State University; M.A. in English Literature, University of Toronto; Certificate in Teaching English as a Second Language, University of Toronto; Honorary B.A. in English and Philosophy, University of Toronto.

Pedro Sousa (2020)
Child Development

M.A. in Child Development, San Jose State University; B.A. in Life Science, San Jose State University.

Michele Speck (2004)
Librarian

M.L.I.S. in Library and Information Studies, University of Hawaii; M.A. in Instructional Technology, San Jose State University; B.S. in Business Administration, University of Nevada, Reno.

Sarah Sullivan (2010)
Reading and English

M.S. in Education with emphasis in Language and Literacy, Simmons University; Secondary Education Certification (grades 8-12), Massachusetts College of Liberal Arts; B.A. in English, Colgate University.

Helen Sun (2004)
**Computer Science and Information
Technology**

M.S. in Computer Science and Physics, Iowa State University; B.S. in Physics and minor in Computer Science, Iowa State University, Ames.



Rebecca Tran (2004)
Counselor

M.A. in Counseling Education, San Jose State University; B.A. in Liberal Studies and minor in Mathematics for Elementary School Teachers, San Jose State University.

Theresa Tran (2002)
Counselor, EOPS

M.A. in Counseling Psychology, Sofia University (Institute of Transpersonal Psychology); B.A. in Psychology and Sociology, University of California, Santa Cruz.

Thuy Trang (2005)
Counselor

M.S. in Counseling with emphasis in College and Career Counseling, San Francisco State University; B.A. in Communications, University of California, Berkeley.

Jennifer Tseng (2017)
Accounting

M.B.A., University of California at Riverside; B.A. in Finance, University of Illinois at Urbana-Champaign; Certified Public Accountant.

Christine Tuato'o (2002)
English

M.A. in English Literature, San Jose State University; B.A. in English Literature, San Jose State University; A.A. in Liberal Arts, Mission College; additional studies at University of California, Santa Cruz Extension.

Andy Varbel (2004)
English

M.A. in English Literature, San Francisco State University; B.A. in Literature University of California, Santa Cruz.

Neil O. Viernes (2016)
Chemistry

M.S. in Chemistry, University of Illinois at Urbana-Champaign; B.S. in Chemistry, University of California, Berkeley.

Roshawn Walter (2021)
Counselor

M.Ed. in Educational Counseling, University of Southern California; B.A. in Sociology, University of California, Los Angeles; A.A. in Sociology, El Camino College.

Jan Wang (2013)
Health Occupations

M.S. in Science in Nursing, University of California, San Francisco; B.S. in Nursing, Arkansas State University; Licensures: California Registered Nurse (RN); California Public Health Nurse (PHN).

Lania Williams (2021)
Health Occupations

B.A. in Gerontology with a minor in Health Administration, Ashford University; Licensed Vocational Nursing Program (LVN), Central County Occupational Center.

Elaine Wong (2004)
Librarian

M.L.I.S. in Library and Information Science, San Jose State University; Teaching English as a Foreign Language (TEFL)/ Teaching English to Speakers of Other Languages (TESOL) Certificate, University of California, San Diego; B.A. in Graphic Communications, San Diego State University; A.A. in Art, Mira Costa College.

Kathryn Wood (2012)
Political Science

M.A. in Political Science, International Relations emphasis, University of California, Santa Barbara; B.A. in Political Science, San Jose State University; A.A. in Social Sciences, San Jose City College.

Brenna Wundram (2001)
Kinesiology (Dance)

M.F.A. in Dance Performance and Choreography, New York University; B.S. in Business Administration and minor in Dance, California Polytechnic State University, San Luis Obispo.

David Yang (2016)
Counselor

M.S. in Counselor Education, Sacramento State University; B.A. in History, Asian American Studies, University of California, Santa Barbara.

Alejandro Zavala (2016)
Counselor, EOPS

M.A. in Counselor Education, San Jose State University; B.A. in Psychology, California State University, Monterey Bay; A.A. in Behavioral Sciences, Hartnell College.

Christopher Zilg (2015)
Instructor in Business

M.S. in Finance, Golden Gate University; B.S. in Business Administration/Economics, High Point University; Supply Chain Manager Certification, Institute of Supply Management, Arizona State University.

Associate Faculty

Mission College also employs a many talented associate faculty members across all subject areas.

Classified Professionals

Susana Anaya

Office Coordinator, HSI-STEM (Hispanic-Serving Institutions-Science, Technology, Engineering, or Mathematics)

Eleen Badal Abdishou

Financial Aid Systems Specialist, Student Financial Services

Alondra Alamo

Program Specialist, MESA

Jonna Bautista

Duplicating Services Assistant, Office of Administrative Services

Christopher Bibat

Sr. Financial Analyst, Office of Administrative Services

Liz Bogatin-starr

Administrative Assistant, Academic Senate

Anne Margaret Capcap

Program Analyst, Basic Needs

Cesar Cardenas Lanza

Enrollment & Financial Services Advisor, Student Enrollment Services

Tina Cheng

Administrative Specialist, Academic Services

Analiza Dasalla

Program Specialist, Student Enrollment Services

Kristal Dela Cruz

Management Assistant, Office of Administrative Services

Melissa Delos Reyes

Management Analyst, Office of Administrative Services

Thanh Do

Senior Information Technology Analyst, Student Services

Steve Duong

Program Specialist, Rising Scholars Program

Jamille Featherstone

Research Analyst, Office of Institutional Effectiveness and Research

Edward Fedalizo

Instructional Technology Analyst (Distance Education), Office of Instruction

Thuy Foot

Administrative Specialist, Creative Arts & Communication

Beverly Gaitan

Administrative Specialist, Public Safety, Health & Wellness

Roehl Galang

Financial Aid Advisor, Student Financial Services

Raymond Gerardo

Program Specialist, Transfer and Articulation

Gianni Giordanengo

Instructional Lab Technician, Science, Technology, Engineering and Math

Genina Gonzales

Management Assistant, Office of Instruction

Katie Haas

Program Analyst, Transfer and Career Services

Lori Hampton

Administrative Specialist, Business, Education & Service Industries

Yi Huang

Program Specialist, Educational Partnerships & Noncredit

Uriel Huizache

Program Assistant, Disability Support Programs and Services (DSPS)

Melissa Johnsgard

Supervisor, Mental Health Services

Mehran Karimi

Curriculum and Instructional Analyst, Academic Services

Denise Kast

Senior Library Media Technician, Library

Marie Keith

Executive Assistant, Office of the President

Diemanh Le

Enrollment & Financial Services Advisor, Student Enrollment Services

Bea Leija

Instructional Lab Technician, Hospitality Management

Jennifer Lloyd

Instructional Lab Technician, Science, Technology, Engineering and Math

My Loi

Administrative Specialist, Counseling & Learning Services Division

Araceli Lopez

Program Specialist, Extended Opportunity Program and Services (EOPS) and CARE

Xuan Lu

Office Coordinator, Disability Support Programs and Services (DSPS)

Amanda Marshall

Supervisor, Extended Opportunity Program and Services (EOPS) and CARE

Barbara McMahon

Instructional Technician, Science, Technology, Engineering and Math

Mary Ann Medrano

Instructional Technology Technician, Alt Media, Disability Support Programs and Services (DSPS)

Yesenia Melgoza

Administrative Assistant, Office of Student Activities

Jocelyn Mercado

Enrollment & Financial Services Advisor, Student Financial Services

Zita Melton

Management Assistant, Office of Student Services

Will Moss

Instructional Lab Technician, Art

Uma Nagarajan

Instructional Lab Technician, Science, Technology, Engineering and Math

Lusyna Narvaez

Program Specialist, Student Equity and Success

Jennifer Nguyen

Program Analyst, AANAPISI

Jessica Nguyen

Senior Student Records Advisor, Records

Kathy Nguyen

Enrollment & Financial Services Advisor, Records

Ngoc Lien Nguyen

Enrollment & Financial Services Advisor, Student Financial Services

Olga Nova

Supervisor, Library Technical and Public Services

Jouney Patun

Program Specialist, International Students

Star Quach

Library Media Technician, Library

Elizabeth Ramirez

Program Analyst, Outreach

Marie Rancap

Enrollment and Financial Services Advisor, Student Financial Services

Sandra Rice

Program Specialist, Hospitality Management

Rachelle Rivers

Program Specialist, Workforce Innovation

Kena Rogers

Administrative Specialist, People, Culture and Society

Prachi Samant

Research Analyst, Office of Institutional Effectiveness and Research

Brian Shively

Events & Campus Operations Analyst, Office of Administrative Services

Lisa Shivers

Nursing Program Technician, Health Occupations

Nahid Shokrollahi

Senior Library Media Technician, Library

John Spencer

Instructional Technology Analyst,
Academic Services

Kyle Stroud

Program Analyst, Promise, Outreach

Tawny Sverdlin

Webmaster/UX Designer, Marketing

Jacqueline Talamantes

Enrollment & Financial Services
Advisor, Student Financial Services

Vianey Topete

Program Specialist, TRIO

Kelvin Tran

Management Analyst, Records

Nguyet Tran

Program Analyst, VALOR

Ngoc-tu Trinh

Office Coordinator, EOPS,
CARE and CalWORKS

Marianna Troy

Program Specialist, DSPS

Shelbie Turner

Graphic Designer, Marketing
and Communication

Linda Van

Program Specialist, Counseling

Nitha Vasquez

Enrollment and Financial Services
Advisor, Student Enrollment Services

Epigmenio Vazquez Vega

Senior Student Records Advisor, Records

Jhonaliza Villanueva

Enrollment & Financial Services
Advisor, Student Enrollment Services

Julie Vu

Program Specialist, Welcome Center

Liza Wong

Administrative Specialist, Science,
Technology, Engineering & Math

Linping Yu

Administrative Specialist,
Academic Services

Mark Zamzow

Program Specialist, Health Occupations

Saul Zendejas

Athletic Trainer, Athletics

Milani Zepeda

Administrative Specialist,
Workforce Innovation

District Classified Professionals at Mission College

Mayra Aguirre

Lead Custodian, Facilities

Kevin Bui

Custodian, Facilities

Jeff Campi

Senior Maintenance Mechanic, Facilities

Arturo Cervantes

Custodian, Facilities

Wendi Cervantes Sanchez

Custodian, Facilities

Fidelina Cruz

Custodian, Facilities

Lisa Curiel

Senior Child Development Specialist,
Child Development Center

Tricia Darrell

Program Specialist, Child
Development Center

Andrea Gonzales

Child Development Specialist,
Child Development Center

Natalie Gonzalez-Hansen

Administrative Specialist, Athletics

Robert Guest

Information Technology Technician,
Educational Technology Services

Luis Gutierrez

Senior Desktop Support, IS Department

Mitchell Haake

Athletic Operations Technician, Athletics

Gerardo Hernandez-Perez

Lead Custodian, Facilities

Rosa Huynh

Administrative Specialist, Facilities

Ryan Kapowich

Information Technology Analyst,
Educational Technology Services

Rebecca Kester

Senior Parking Services
Officer, District Police

Patrick Ly

Information Technology Analyst,
Educational Technology Services

Edward Magana Sr.

Groundskeeper, Facilities

Daniel Martinez

Maintenance Mechanic, Facilities

Yareli Martinez

Senior Child Development Specialist,
Child Development Center

Shuchi Nangia

Senior Child Development Specialist,
Child Development Center

Miu Ping Ng Chiu

Custodian, Facilities

Dat Nguyen

Senior Information Technology Analyst,
Educational Technology Services

Hai Nguyen

Supervisor, Custodial Services, Facilities

Lan Nguyen

Child Development Specialist,
Child Development Center

Juan Palomo

Groundskeeper, Facilities

Aaron Perez
Groundskeeper, Facilities

Joshua Perez
Custodian, Facilities

Phuong Pham
Senior Child Development Specialist,
Child Development Center

Regina Pham
Custodian, Facilities

Thuy Pham
Parking Services Specialist, District Police

Allan Quan
Senior Desktop Support, IS Department

Faustino Ramirez
Custodian, Facilities

Ivan Rosas Ortega
Senior Irrigation Technician, Facilities

Pablo Salcedo
Custodian, Facilities

Daniel Salinas
HVAC Mechanic, Facilities

Ricky Salinas
Senior HVAC Mechanic, Facilities

Thien Smith
Food Services Technician, Child
Development Center

Rafael Soria
Custodian, Facilities

Jose G. Sotelo
Custodian, Facilities

Conrad Thai
HVAC Mechanic, Facilities

Reynaldo Trejo
Custodian, Facilities

Jorge L. Urbina
Custodian, Facilities

Karina Valencia
Senior Child Development Specialist,
Child Development Center

Destiny Walker
Senior Child Development Specialist,
Child Development Center

Yuqing Wang
Child Development Specialist,
Child Development Center



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